

Ernst Chladni's sand designs produced by diaphragm vibrations over 100 years ago.

Changes in Edison Copper Diaphragms

Ronald Dethlefsen, with John Kaar

"You can always make capital out of disaster." So spoke Thomas Edison about the devastating fire that destroyed much of his factory complex in December, 1914. His good natured response even appeared once on the dust jacket cover of an excellent book entitled "The Thomas A. Edison Album" by Lawrence Frost. Of course, this ability to turn adversity into profit was very typical of Edison, and another illustration of this trait occurred in 1906 when a court injunction prevented him from continuing the manufacture

(Cont'd on page 3)

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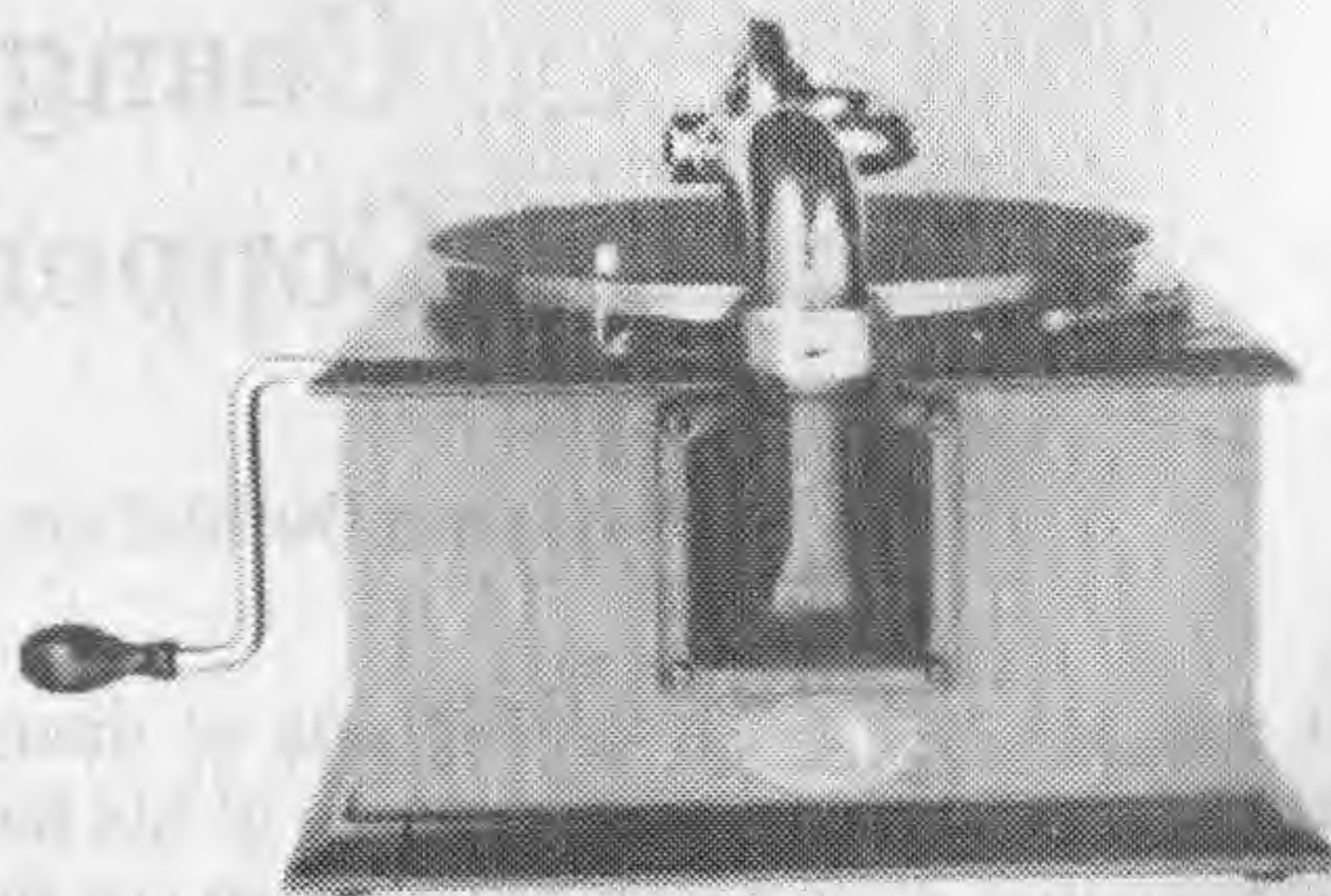
The 1976 **APM** Subscription Rate is \$7.00 a year. Any subscriber may have a free sample copy of **APM** sent to a friend if a first-class stamp is enclosed.

DEAR APM:

Question: I have a phonograph that is a mystery to me. The plate under the turntable says *Victrolita* and there is a "His Master's Voice" sticker on the back of the box. The mainspring is mounted horizontally. Who made this machine?

K.C., Vancouver, Wash.

Answer: The closest I can come on this would be a Model "One-One" Victrola, made by Victor in the late 1920's. It was advertised as a children's semi-portable machine, and sold for \$17.50, the lowest price for a Victrola. Yours is probably the mahogany finish, but it was also supplied with white enamel and colorful side decorations, and listed as Model "One-Two", for \$18.00. The catalogs do not mention that it was called a *Victrolita*, so there is still some mystery attached to it. The suffix *-ita*, of course, is a word element meaning small. The Victor "One-One" measured 6½" high, 12½" wide, and 13¾" deep. The only variation I can see is that your photo shows the reproducer mounted on the left side of the tone-arm and the catalog shows it on the right. It is pictured in Vestal Press's latest catalog.



Two views of the "Victrolita"

(Cont'd from front page)

of the traditional layered mica diaphragm in his C reproducer.

In March 1906, when he was forced to drop several patented features, including the inside ribs on his 2-minute cylinders, he quickly responded by designing a new diaphragm made of a single stamped piece of thin copper (See APM, Vol. 1, No. 7, p. 4). The new diaphragm was immediately successful and proved more durable and simpler to fabricate than the earlier mica version, and as a bonus, gave increased volume. Even though the legal problems relating to the mica diaphragm were settled by 1909 and the original patent did expire (bringing it into the public domain), Edison continued to use the new copper diaphragm until the advent of the Diamond Disc and Blue Amberol cylinders in late 1912.

The copper diaphragm had a fairly short life in terms of the history of his phonograph, but it does serve to show Edison's tenacity and his continuing efforts to improve the reproduction of sound. In examining many Edison reproducers over the years, I have found what seems to be a pattern of development in the diaphragm design, making us realize that all reproducers are not alike, even those with identical "letter" designations.

Edison was after a smooth audio frequency response without blasting at any frequency, and copper seemed to fulfill his needs. It is also possible that he used aluminum diaphragms briefly, for we ran across one, which I believe to be original, in a Model H reproducer. I gather, however, if this was indeed an Edison product, that it was quickly discarded in favor of the copper version, which was less expensive and heavier, allowing more damping of the diaphragm.

There appears also a series of changes in the ridges or ribs on the copper diaphragms over the years until their discontinuance. Note the drawings of original diaphragms found in the Model C, H, S and N reproducers, and in the last type of copper diaphragm reproducer, Model N-56. The pattern of design changes confirms that Edison and his "insomnia squads" were experimenting in the characteristic "cut and try" fashion. The concentric rings were an outgrowth of the concentric layers present

in the pre-1906 mica diaphragms. (The layered mica faced toward the horn opening). The rings on the copper diaphragms did two things: first, without rings or ridges, there would be more standing waves on the diaphragm, causing a reinforcement and cancellation of certain frequencies. The diaphragm only moved as a piston at the lower frequencies and vibrated in sections at the higher end of the scale. This made different parts of it move in and out at different times. The rings or ridges tended to break up this movement and produce a smoother tone. You will notice similar rings on the cones inside some modern hi-fi speakers.

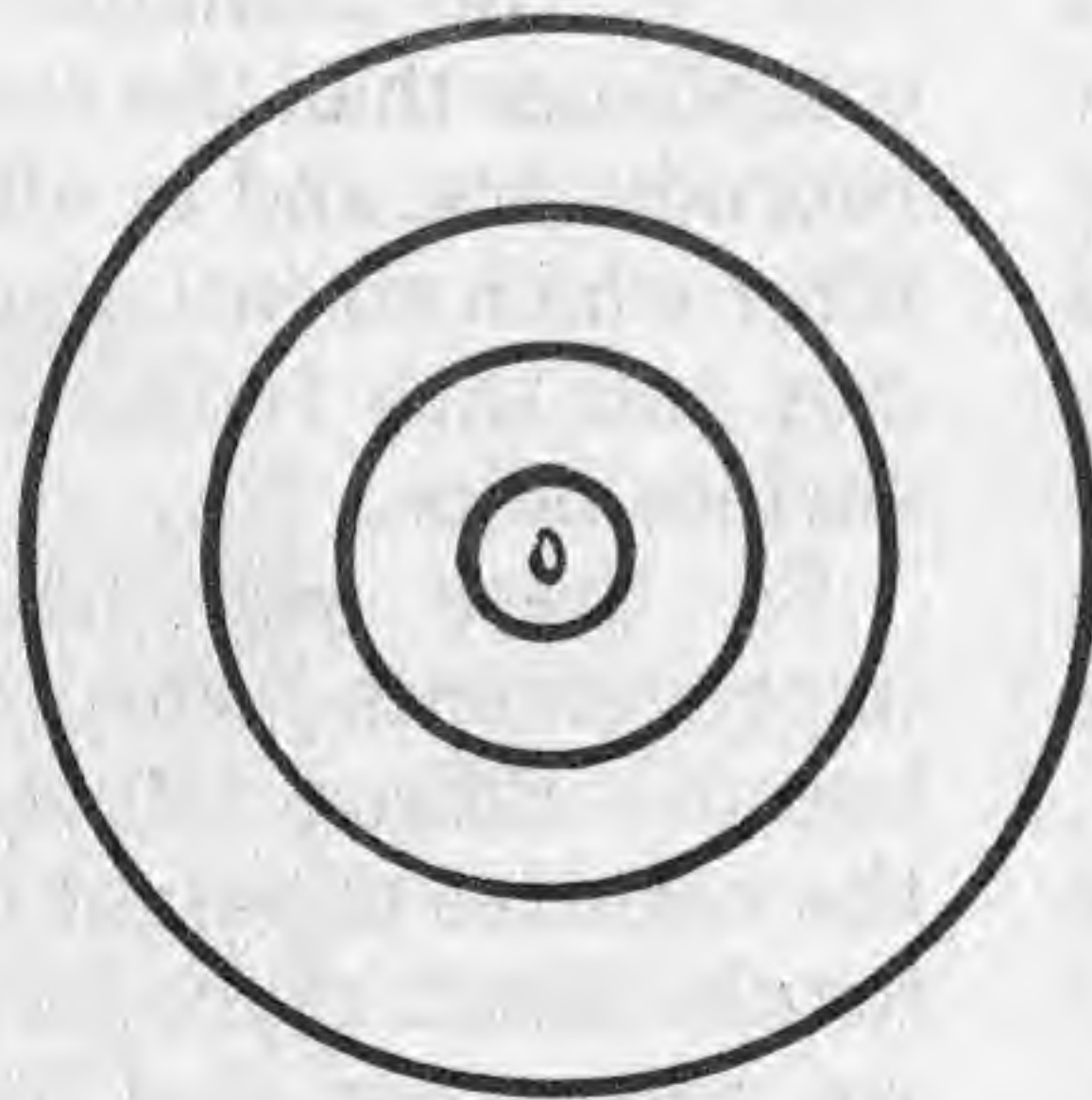
Secondly, the rings or ridges gave the diaphragm greater compliance so it could move up and down farther at the lower frequencies. The "sunburst" patterns on the Model O (drawings here are not to scale) and later models were variations of the same thing. The radial ridges may have been designed to make the diaphragm a piston at still higher frequencies and perhaps produce more volume in the mid-range of the sound spectrum without the blasting effect mentioned earlier. The larger diameter of the later diaphragms also gave improved audio response.

In the Diamond Disc and Diamond Amberol (A, B, C, D) reproducers, the cork diaphragm centers acted like the rings of the copper ones and made the whole unit function together to produce a smooth sound. Moreover, in the case of the stylus linkage to the diaphragm, the silk thread link of the Diamond models had more compliance than the steel links of the earlier reproducers, and in effect made a low-pass filter which attenuated the higher frequencies and thus reduced record scratch and surface noise.

So there you have it, a chain of improvements which seemingly started because Edison refused to be deterred by the vagaries of patent litigation in his quest for the exact reproduction of sound. When we remember that the first diaphragms were made of extremely fragile glass, we can be thankful that this experimentation led to a more durable product, not just for Edison's original customers, but for modern collectors today. □

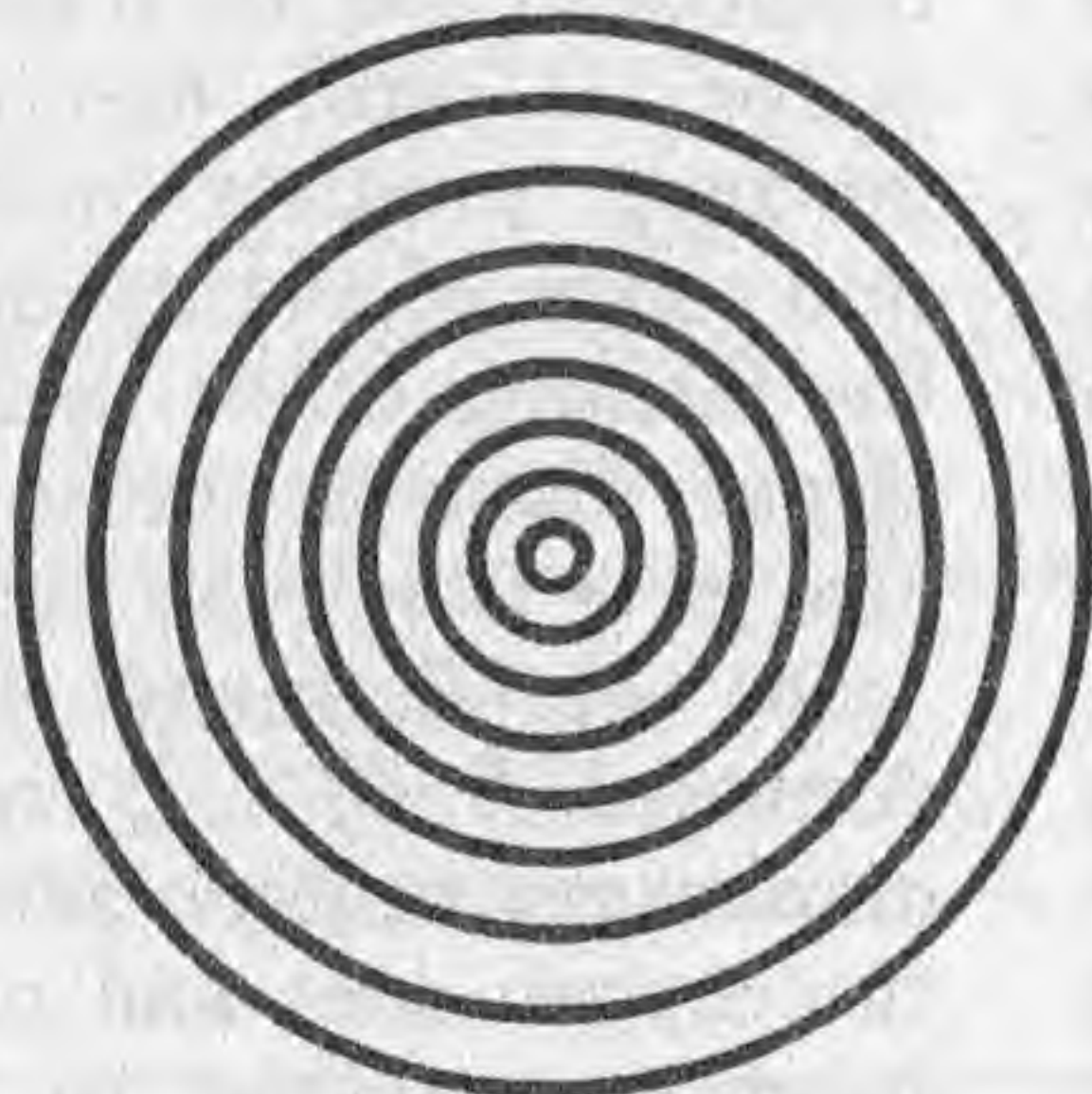
EDISON REPRODUCER DIAPHRAGMS

MICA



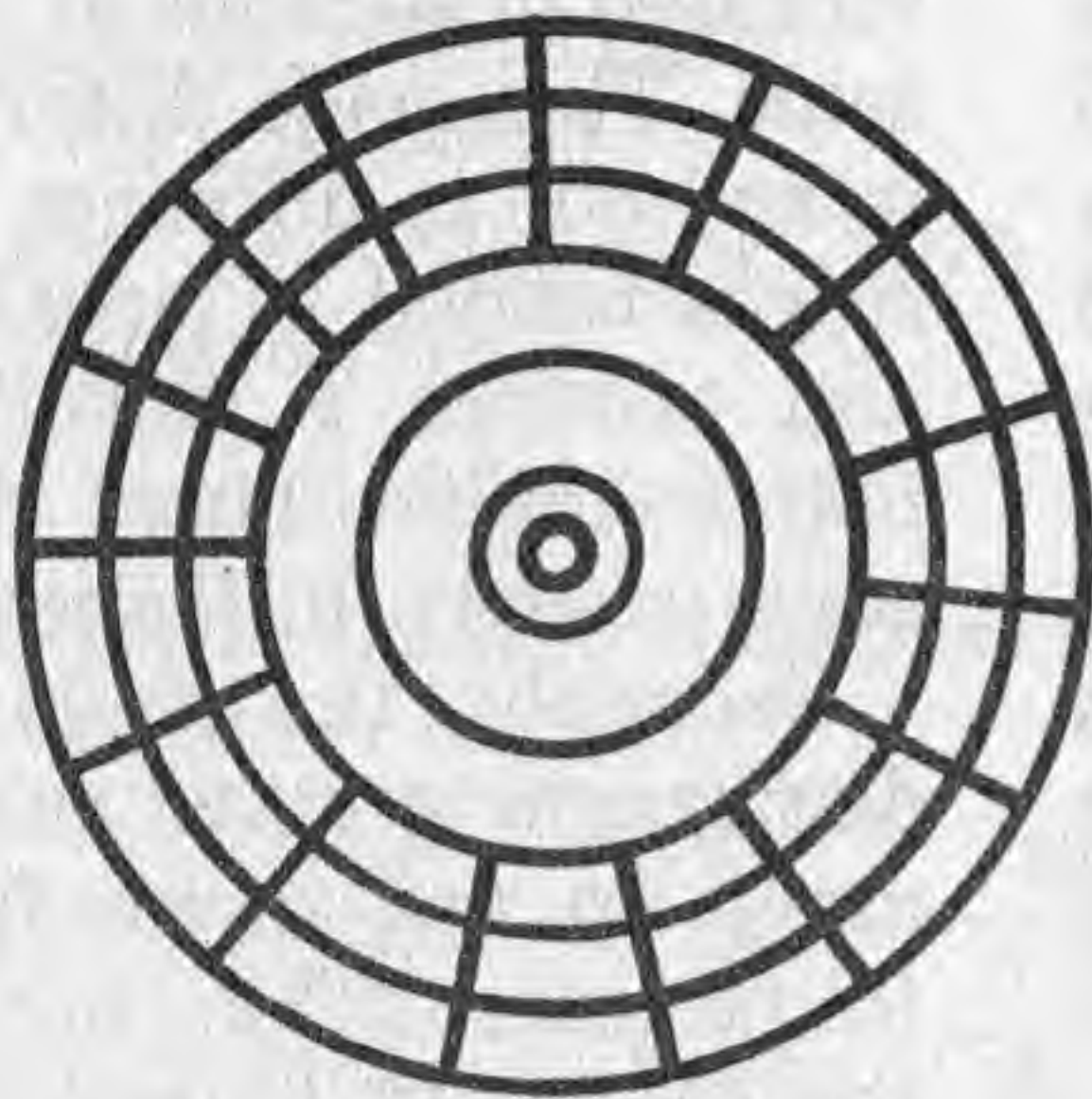
MODEL C

COPPER OR
ALUMINUM



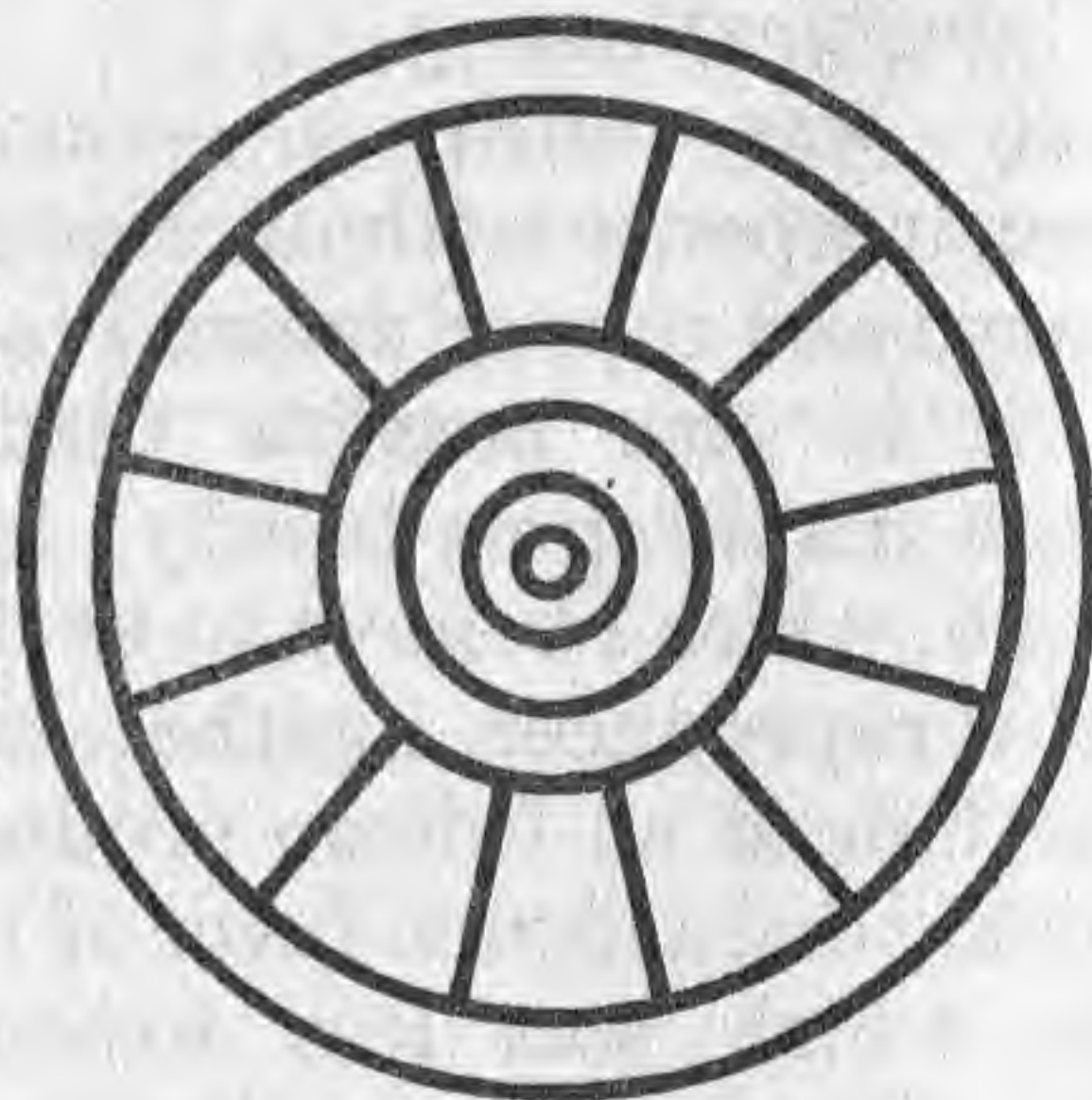
MODEL C OR H

COPPER



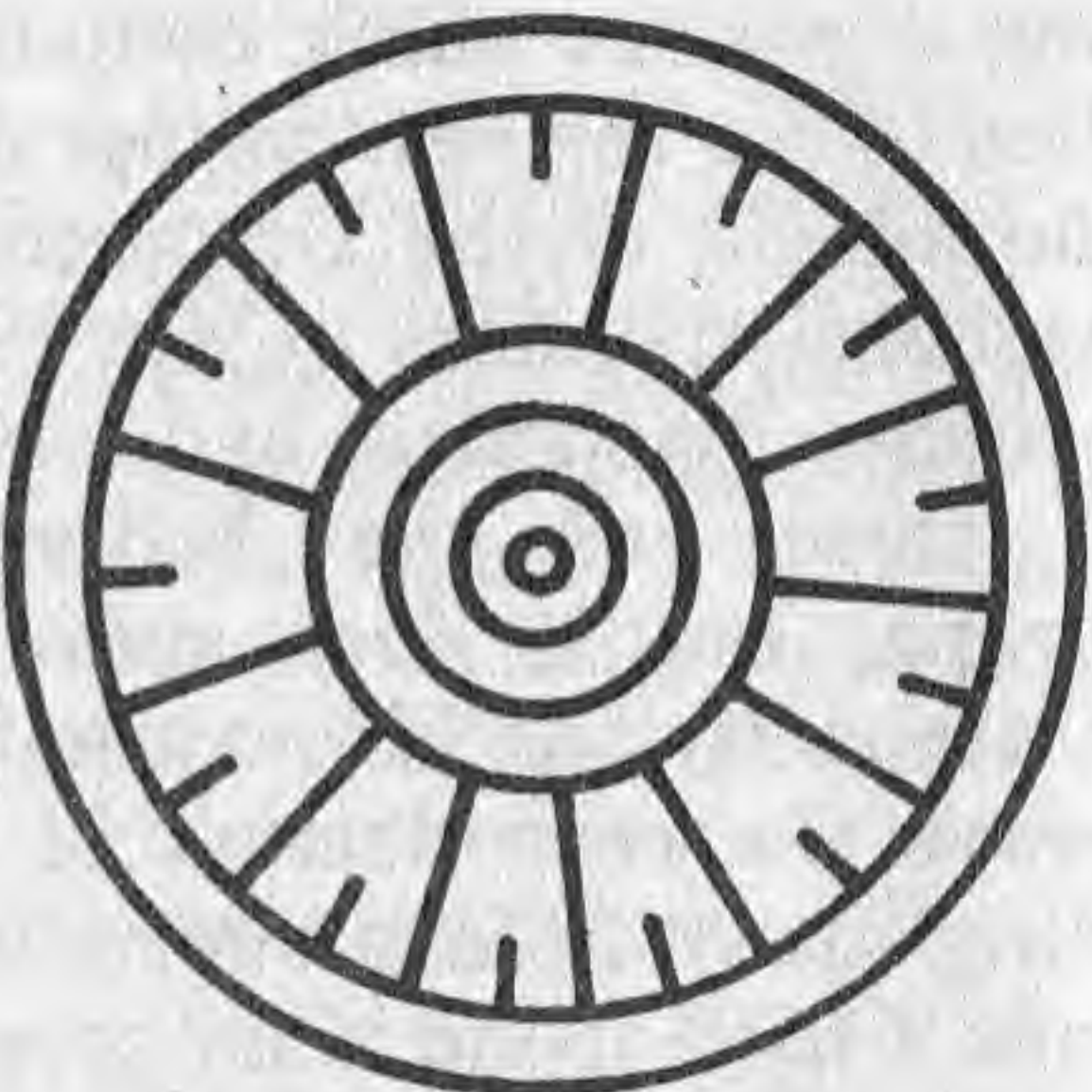
MODEL O

COPPER



MODEL S

COPPER



MODEL N OR N-56

MORE NOTES ON MODERN STYLI

George Blacker & Ken Barnes

Many months ago (APM, Aug.-Sept., 1975), I wrote in this journal about the many virtues of the custom styli produced by International Observatory Instruments of Nashville, Tennessee. It was a most unwelcome surprise for me to learn, in the winter of 1975, that they were discontinuing the production of their styli. Rising costs and increased difficulty in getting component parts necessitated the move, according to Dr. Robert Hardie of IOI. A small remaining stock of Edison and Pathe styli was on hand at that time, he said, but once these sold out, IOI's foray into the field of custom styli for the collectors of antique records would be over. Their letter to collectors, however, did recommend a Shure elliptical stylus for 78's, made for their V-15 III cartridge (stylus type VN78E).

I have held off announcing this sad news for two reasons: first, some of you must already know it if you've written to IOI recently, and second, I wanted to see what could be done in locating a source of replacement styli, and perhaps even alternate cartridges.

Actually, I can't claim full credit for what I am about to say here. My own letters to four different stylus producers have been ignored, and so I turned to Mr. Robert Long, Audio-Video Editor of *High Fidelity Magazine*, with whom I collaborated on an extensive article on how to best play old records on new-fangled equipment (April, 1973, with variable stroboscopic disc). His position on that magazine evidently produced better results, and here they are:

1. Nobody wanted to be bothered to make replacement styli for the Shure cartridges. This included even Shure, who seemed to feel that in offering a 2.7 mil conical 78 rpm stylus, they had done all that was necessary. Styli for Edison and Pathe discs, or cylinders? Get lost, Charley!

2. Replacement styli for the Shure cartridges can be had from Expert Pickups, Ltd., P. O. Box 3, Ashted, Surrey KT21 2QD, England. Write to them for further information.

3. For those collectors who haven't bought the IOI equipment, but want to go the custom-styli route, Pickering & Co., Inc., Sunnyside Blvd., Plainview, N.Y. 11803, will custom grind styli to the non-standard dimensions required by col-

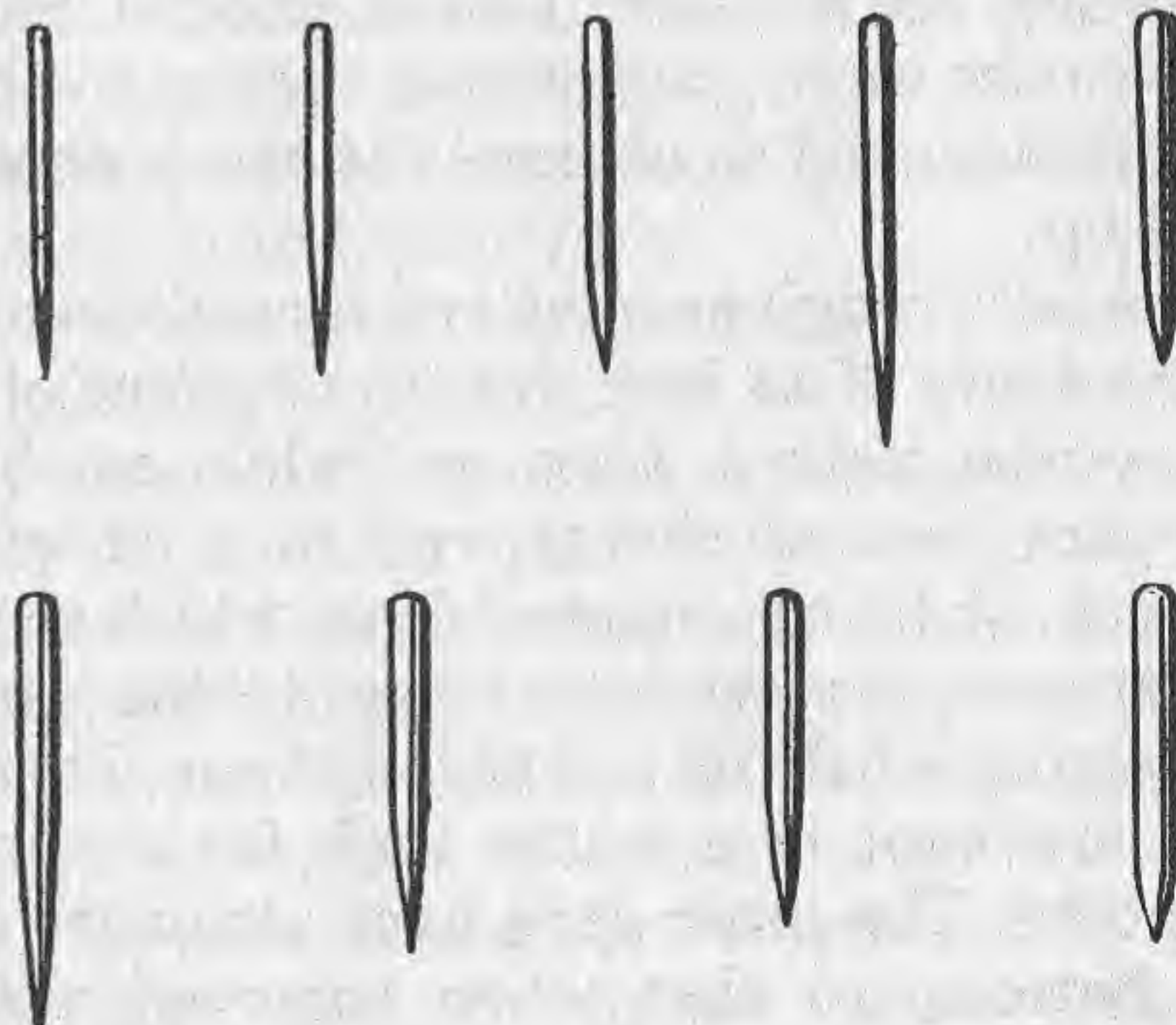
lectors, for a price ranging from \$25 per stylus to \$50, according to the complexity of the operation. These can be had to fit any current model of Pickering or Stanton stereo cartridges. You are advised to write to Mr. Ray Bennett at Pickering for further details. Be sure, when doing so, to specify the model of cartridge you have or plan to get. You may also write to Stanton Magnetics, Inc., Terminal Drive, Plainview, N.Y. 11803. To repeat and emphasize: these styli are available ONLY for current models of Pickering or Stanton cartridges.

Readers may also write to George Blacker, 48 Foote St., Cheshire, Conn. 06410, or Ken Barnes, 261 S. Vinedo Ave., Pasadena, Calif. 91107. Be sure to enclose a SASE (self-addressed stamped envelope). ☐

HOW STEEL NEEDLES WERE MADE

Readers will recall that in the November 1973 issue of APM we ran an account of how 78 disc records were made. Since many collectors have begun to save the colorful tins which held the early "points", we thought we would tell the story from the *needle's* point of view. The following article first appeared in the May 15, 1905 issue of *The Talking Machine World*, and was repeated in the April, 1907 issue as well.

"In making steel needles for high-grade talking machines, a carbon steel rod about 3/16" in diameter is generally used. The first process consists in reducing this rod to wire about 1/16" in diameter, that of the finished needle. The operations are as follows:



STYLUS TYPES: Thicker equals louder.

The rods are first heated in an annealing oven, and then slowly cooled in order to soften them. In this heating and cooling process they become oxidized or coated with scales. To remove these, they are tapped with hammers, after which they are "pickled" in a solution of acid and water, and again heated in another oven much cooler than the first to remove the effects of pickling. They are then taken to the wire-drawing machine, where the 3/16" soft rod being drawn through a die plate about 1/8" in diameter, is reduced to No. 8 wire. Drawing compresses and hardens the metal making it necessary to repeat the annealing process before another reduction in diameter is possible. Therefore, these operations must be repeated about five times before the requisite reduction to 1/16", or No. 16 wire, is obtained.

The long coil of small wire is now passed to a forming machine, in appearance like a lathe, which in spinning around the wire, as fed through it, straightens and cuts it into rods about 18" in length. These rods are gathered up and taken to a grinding machine, an ingenious special mechanism which points the ends of about 150 of them at a time. They are fed to it sideways, and are held in exact position, fed through and turned as they grind against the stone by means of rubber-tired wheels or rollers. One set of ends being pointed, the rods are reversed and again fed to the grinder to point the opposite ends. The now double-pointed rods pass to the cutting machine. Its operator seizes a handful (about 100), pushes the ends against a plate to even them, places them in the cutting machine against a gauge plate set 5/8" from the shear, and touching a lever, cuts off 100 rough needles at a stroke. Turning the bunch of rods end for end, 100 more needles drop into the hopper. The shortened rods pass to the next grinder and thence to the next cutter, and so on until the rod is about used up.

The now rough needles are spread evenly to the depth of an inch over the surface of a heavy iron plate or tray, and while on this tray are heated cherry red in a special furnace, on being removed from which they are at once thrown into large double cans containing whale oil to harden them. These cans are kept in a water tank for cooling purposes. The inner cans have strainers at the bottom, so that when removed with needles in them the oil drains back into the

outer cans, which always remain in the water.

The needles, perfectly shaped and hardened, but still in the rough and gummy with oil, are placed in a huge pan or trough, which slides back and forth with jerking motion (somewhat like that of an ordinary ash sifter) on the top of what may be called a "washing machine." Here they are treated to a bath of soft soap or soda and water, as they roll about in the bottom of the pan. After a thorough shaking up in this soapy mixture they are drained, and while still damp are placed in a tumbling barrel, or, in other words, a slowly revolving barrel, pivoted at an angle of about 45 degrees. About double their bulk in dry sawdust is mixed with them, and in a short time dries them thoroughly. They are then separated from their sawdust towel by a rather ingenious contrivance, which sucks off the dust and leaves the needles.

It is now necessary to prepare their surfaces for the final polish, and to do this they are scoured. A batch numbering several thousand is mixed with a pasty looking compound, and the mass is wrapped into a cylindrical canvas packet about 5" in diameter and 2 feet in length. Several packets, tightly bound around with strong rope, are placed into a machine called a "mangler", in which they are rolled back and forth between two slabs as one would make a roll of butter.

After this careful rolling or massage treatment is continued for some time, the needles, by rubbing against each other in the scouring compound, are thoroughly cleansed and smoothly surfaced, and are taken from the packets. They are then given a rinsing in clear water, and another turn in the sawdust barrel, after which they are for the last time packed into sausage-like canvas casings and rolled this time with a fine polishing compound. From this last mauling they emerge as finished product, and are sent to the stockroom, to be weighed (not counted) into packets of 100 or more, as required.

There are about 16 processes between the steel rod and the finished needle, or, if we count the number of operations necessarily repeated in the wire drawing, annealing process, pickling, hammering, etc., there are about 42 handlings in all, and yet in no case is a needle handled singly as such."



MEET THE COLLECTORS (No. 1)

From time to time, we hope to share the pictures and stories of the collectors behind their ads and interests. If you have a photo of yourself with part of your collection, and would like to share it with **APM's** readers, please send it in, with a brief story of how you got started, what you like, etc. We'll be glad to run it.

The first collector we are meeting this month is Steve Freeman, of 1079 Alhambra Road, Baldwin, N.Y. 11510. Steve is married and has two children, Adam and Melinda. Adam of course is an avid fan himself, and is shown here with an original 14" horn, although Steve claims you can hear Adam just fine without it! Steve's wife Gail bears the responsibility of her husband's addiction as she bought him an Edison Home Phonograph around 1965, at the then exorbitant price of \$100. Steve fell in love with the phonographs, in addition to his wife, and more followed, including a Victor IV, a Zonophone Home, a Rosenfield Coin-op, an oak Opera, one of the first Homes, Serial No. H55), a French Coquet,

and many others. He also likes the old ads, advertising gimmicks, and Victorian antiques in general. His latest addition was an upright player piano, which he painstakingly restored. He also decorates his music room with tobacco items and antique toys from the 40's and 50's. Steve also maintains an extensive library of printed material to aid him in identifying and researching his collection, and to spot the ones he wants to get. A drummer himself, in his spare time, he has one of the first drum solo records ever issued, James Lent's *Ragtime Drummer* on Indestructible.

As Steve's family has grown, his collecting has slowed a little, but he is always on the lookout for interesting items, and frequently trades with other collectors in the area. One of Steve's other hobbies is designing leather belts with a phonograph motif, and readers will remember his needlepoint in the November 1974 issue of **APM**.

Thanks, Steve, for being the first in the series. Get to know your collectors!

BOOK REVIEW

Oxford and Silvertone Records: 1911-1918 by Martin Bryan & William Bryant

Tim Brooks

Collectors who have been active for many years may wonder at the seemingly geometric increase in serious record and phonograph research which has occurred during the past decade. A few outstanding examples are the Frow "Directory" of Edison machines, the Kinkle "Encyclopedia" of popular music and jazz, Koenigsberg's index of Edison cylinder records, the numerous ground-breaking studies in *APM*, *Talking Machine Review*, *Record Research* and several other magazines, and of course, in discography, the "Brian Rust explosion" of the last few years.

Compare what was available ten years ago with what is available now and you will see what I mean. Not to mention what *will* be available ten years hence. Already nearing completion are a thoroughly revised history of the early phonograph industry (Ray Wile), a comprehensive listing of all Victor recording sessions and record issues (Ted Fagan and Bill Moran), several volumes on important record labels of the 1920's (Bill Randle), and a number of consolidated guides to records and machine types (are you listening, Allen?).

Bill Bryant and Martin Bryan are two dedicated young men who will no doubt be in the vanguard of the coming wave of record research. *Oxford-Silvertone* is their first major collaboration and is a laudable addition to the body of organized knowledge about early record issues. This is the first attempt to list the records sold by the Sears, Roebuck Company under the Oxford and Silvertone labels during the teens. These records have long been a source of frustration to collectors, because they are frequently unidentified as to artist or company of origin. Sears never recorded on its own, but bought masters from other companies for issue under its own "house" labels.

Perhaps the most useful feature of the book is the artist listing. The authors have tracked down almost all of those anonymous baritones, tenors, and bands, and have also located the original issue number of each selection on Columbia. For example, if you should pick up a copy of "The Band Festival at Plum Center" on Silvertone 46800 (a

rather funny record, by the way), the book will point out that you are actually listening to Steve Porter, Ada Jones and Byron G. Harlan, and that the selection was originally issued on Columbia A2057.

There are complete artist and title indices to the main numerical listing. Additional features include illustrations of the three principal Oxford/Silvertone label types, and a brief history of Sears' record activities during the period covered.

The chief limitation of the book is implicit in the title -- it covers only one eight-year period out of Sears' long history of record issues, and only those issues obtained from one particular supplier (Columbia). As the authors state, Sears was selling other people's records long before this, including some obtained from Columbia itself as early as 1902. Nor are the Oxford and Silvertone names unique to this period. Perhaps most commonly found will be double-faced Silvertones issued after the period covered, in the 1920's. There were also Oxfords obtained from other suppliers prior to 1911, and Oxford cylinders as well.

There is of course nothing wrong with research into a specifically defined area, although my feeling is that the more limited the field covered, the greater the detail should be. Here, since the book is concerned with issue (as opposed to recording session) information, we might have expected some data on when the records were issued, either by Sears or by Columbia, or both; and perhaps more information on the songs themselves (composers, shows).

However, these cavils should not deter the collector who simply wants to know who that baritone is, and where the same recording can be found on Columbia. The book is thorough within its stated area, easy to read, convenient in size and very reasonably priced. It is, like almost everything else in early phonograph research (so far), the only book available on the subject. It is certainly recommended to anyone collecting any records from this period. It is available for \$2.75 ppd. from the New Amberola Phonograph Company, 133 Main Street, St. Johnsbury, Vt. 05819.

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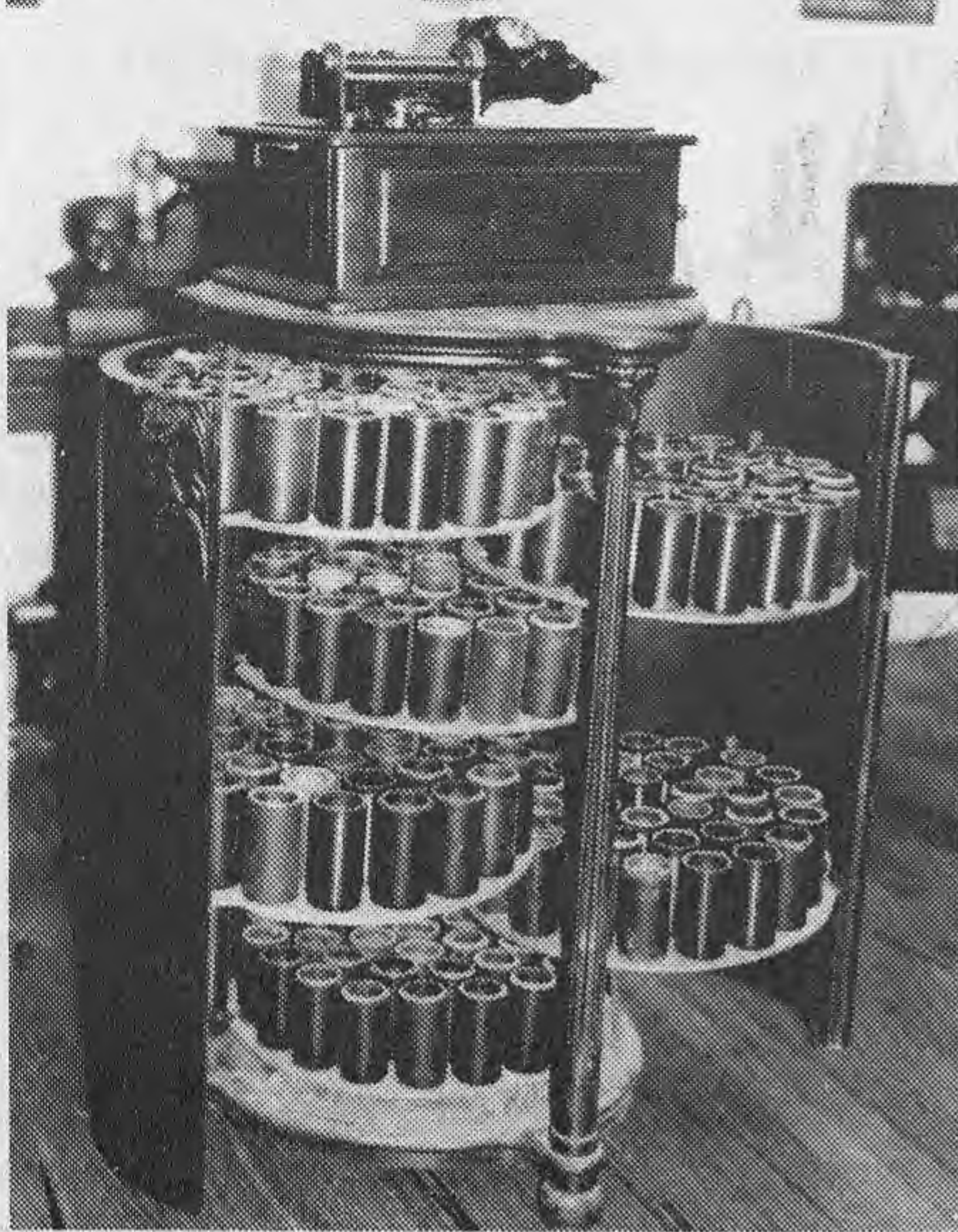
EMA would like to thank the hundreds of readers and new friends who have responded to our first advertising supplement. We are especially pleased therefore to present another exciting collection of rare and unusual antiques with a musical flair. If you wish to be added to our new mailing list free of charge, simply send a postcard saying so. We hope you like the way **EMA** does business. Give us a call and you'll be glad you did!



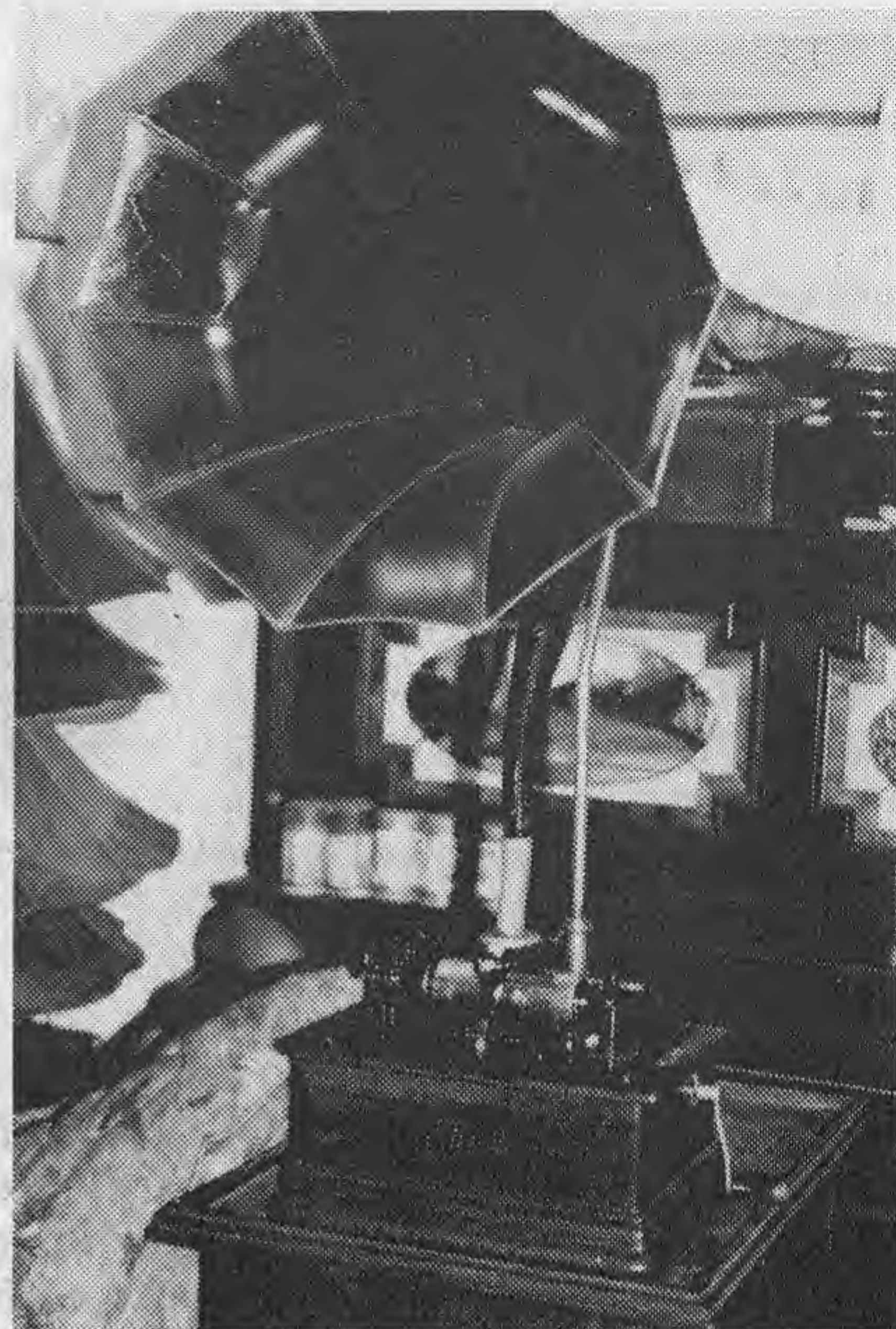
1. Wurlitzer 1080 Classical (1948) Juke Box, mint & original blue and silver, great case too! Only \$1295.



2. Wurlitzer #412 Juke Box, ca. 1936, works fine, all original, only \$495.



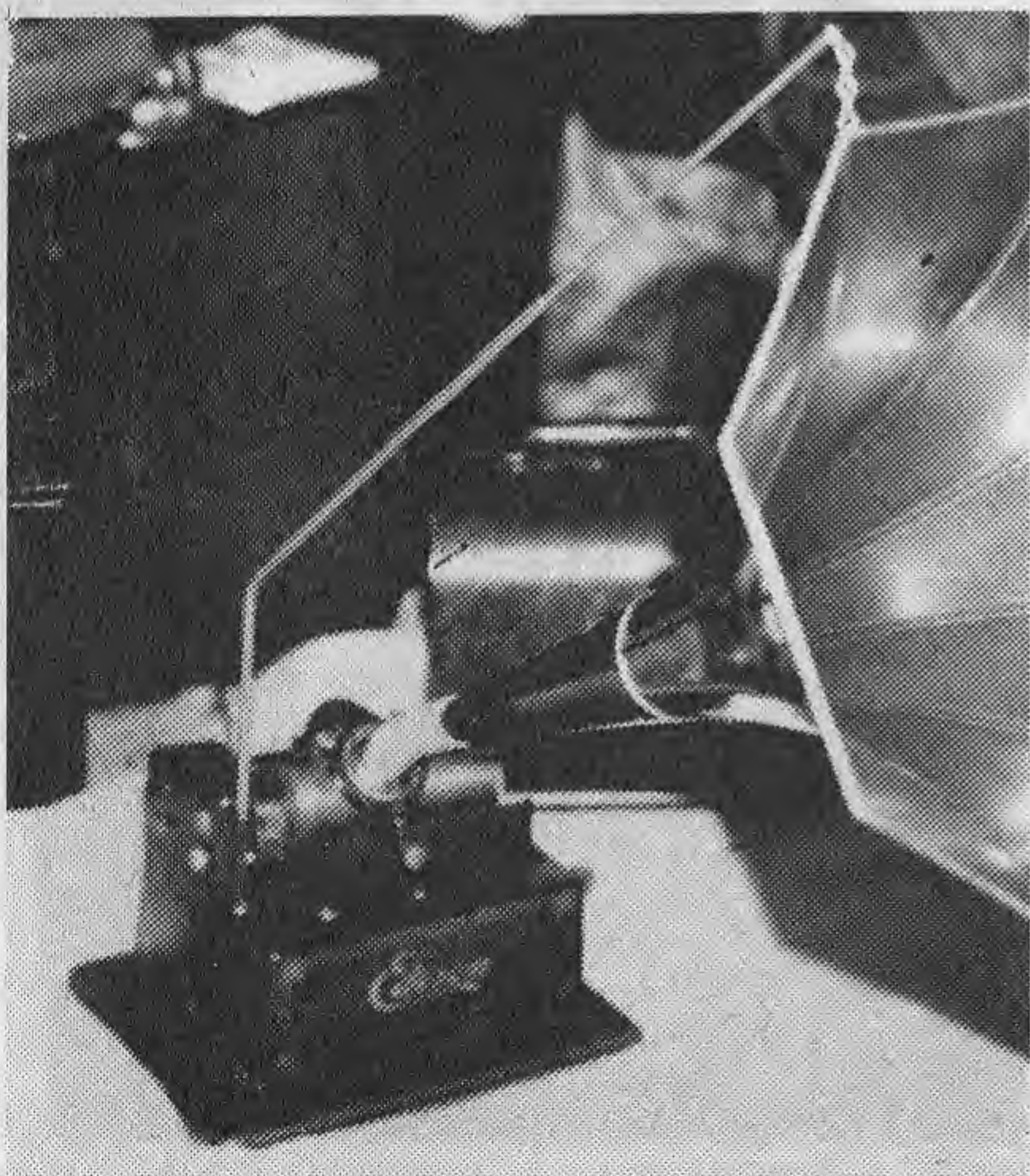
3. Mahogany Cylinder Record Cabinet, barrel type, all orig., with 2 & 4 minute wax cylinders, holds about 200 records, sold as a unit (no phono), only \$495.



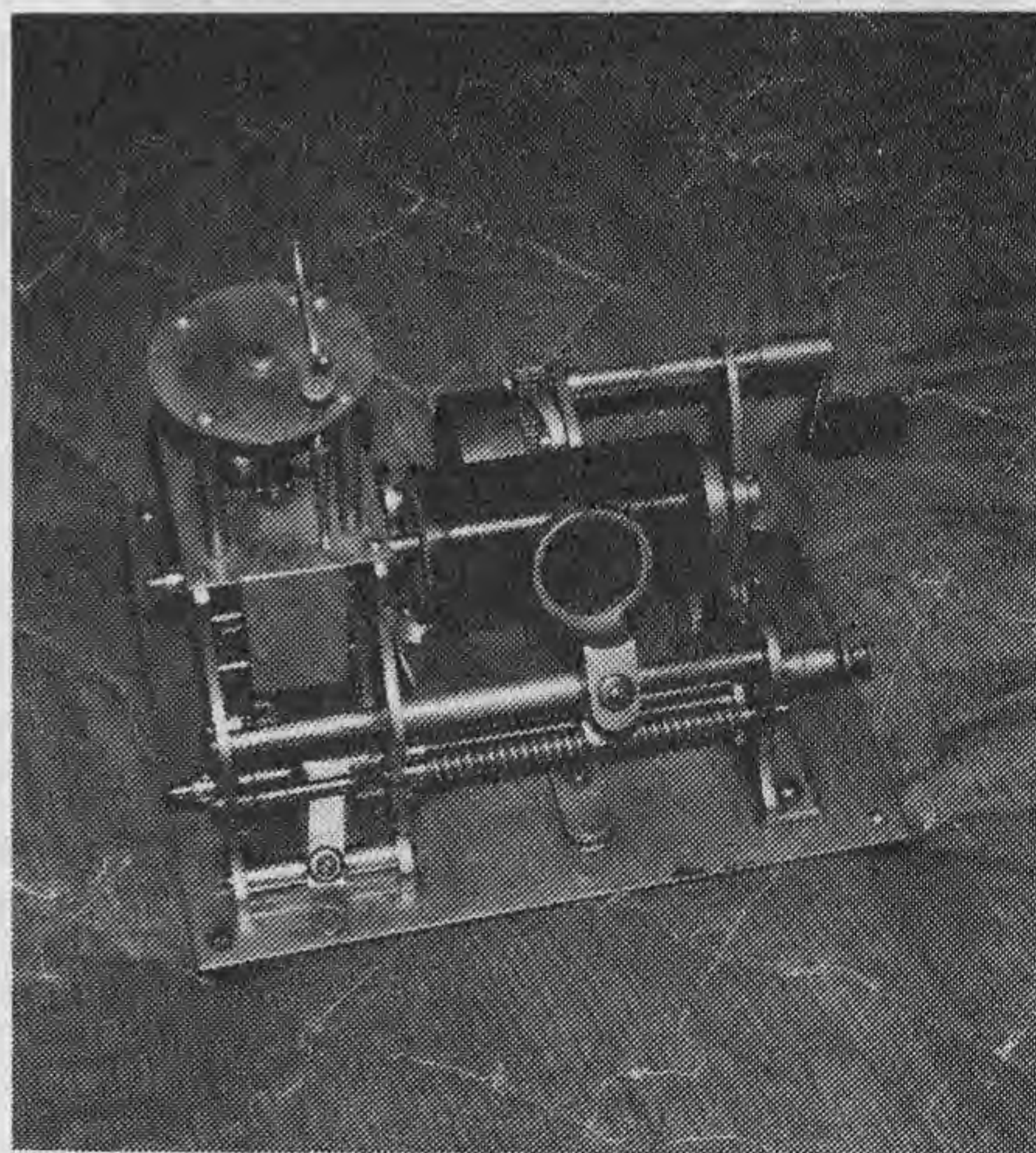
4. Edison 2-4 min. Standard Phonograph, with O Reproducer & # 10 Cygnet horn, all orig. including crane. Beautiful condition, and only \$425.

5. Edison Standard, Model A, 2-4 minute, with C or H reproducer, green oak case, mint banner decal, runs beautifully, horn & crane available, \$210.

6. Edison Home Phonograph, Model D, 2-4 min. with cygnet horn, Diamond B reproducer, mint condition, only \$395.



7. Edison Maroon Gem, Model D, 2-4 min. with C or H reproducer and beautiful matching repro horn, only \$525.



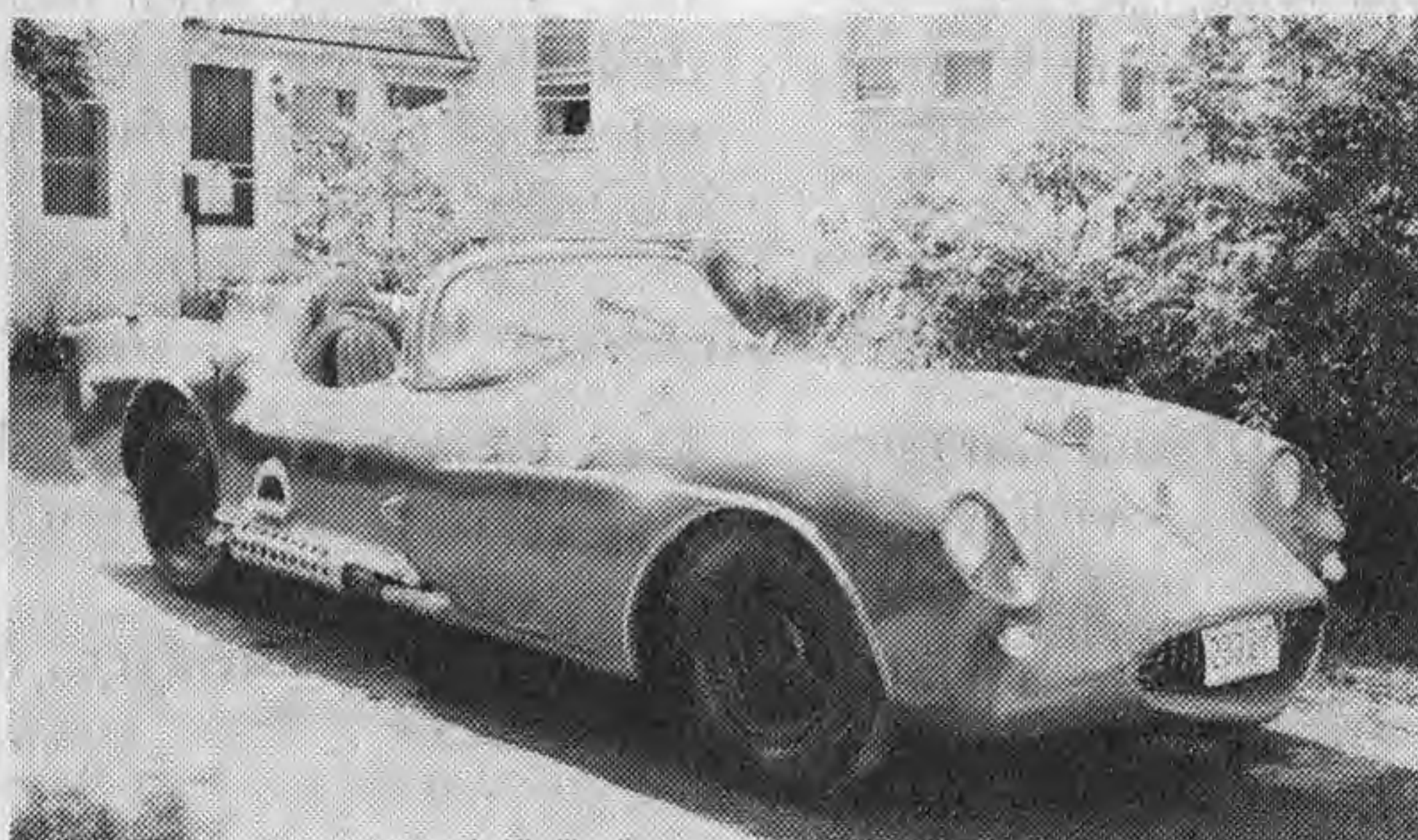
8. Mystery Phonograph, auto repeat mechanism, 2-4 min, appeared in April 1974 APM, jeweled governor, standard reproducer carriage, probably experimental, heavily nicked, only \$749.



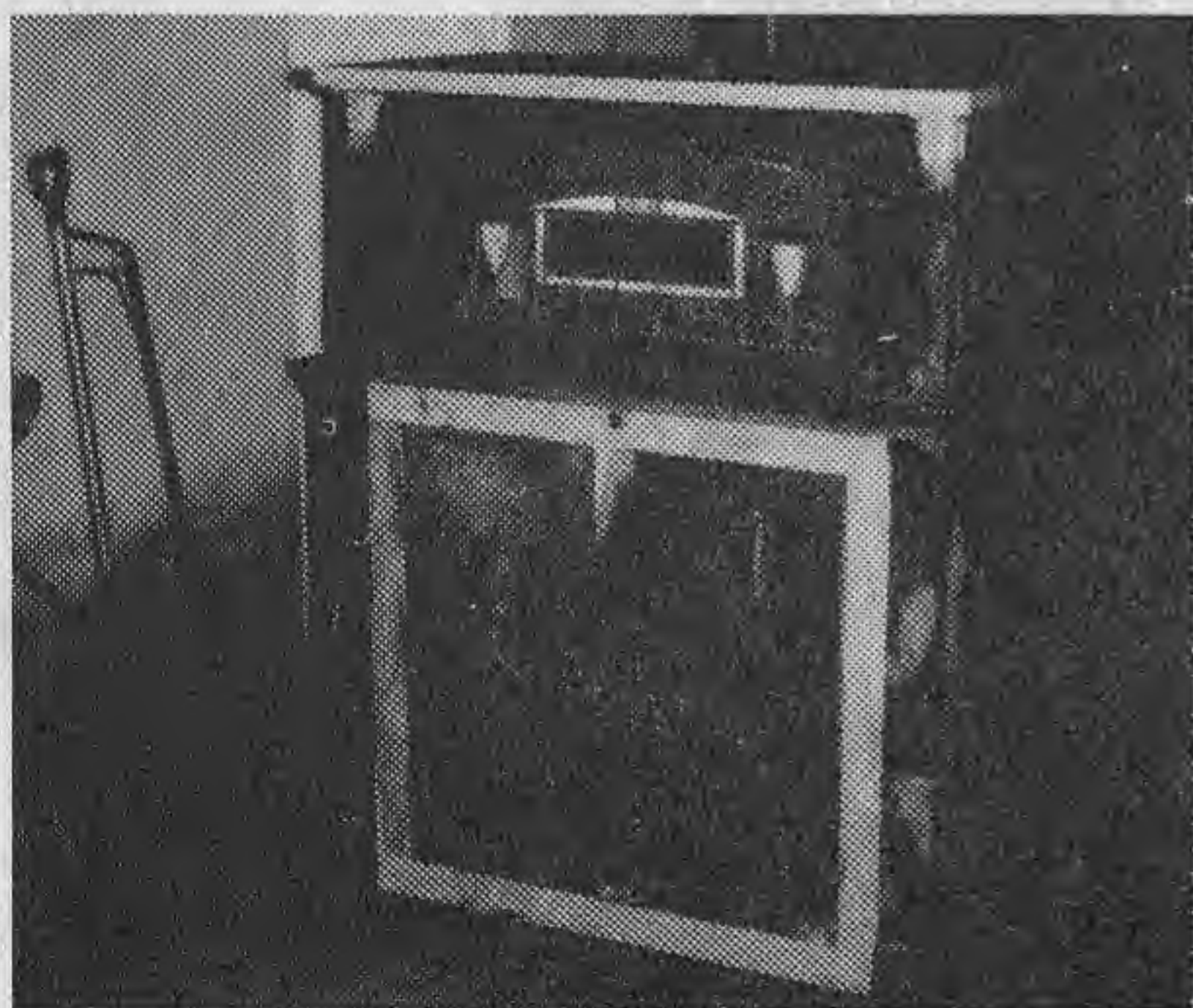
9. Rare Collection of over 100 tin, mechanical, iron, still, wood, plastic, glass, etc. banks from 1880 to present. Many more than in photo, very special, an instant collection for only \$1095.



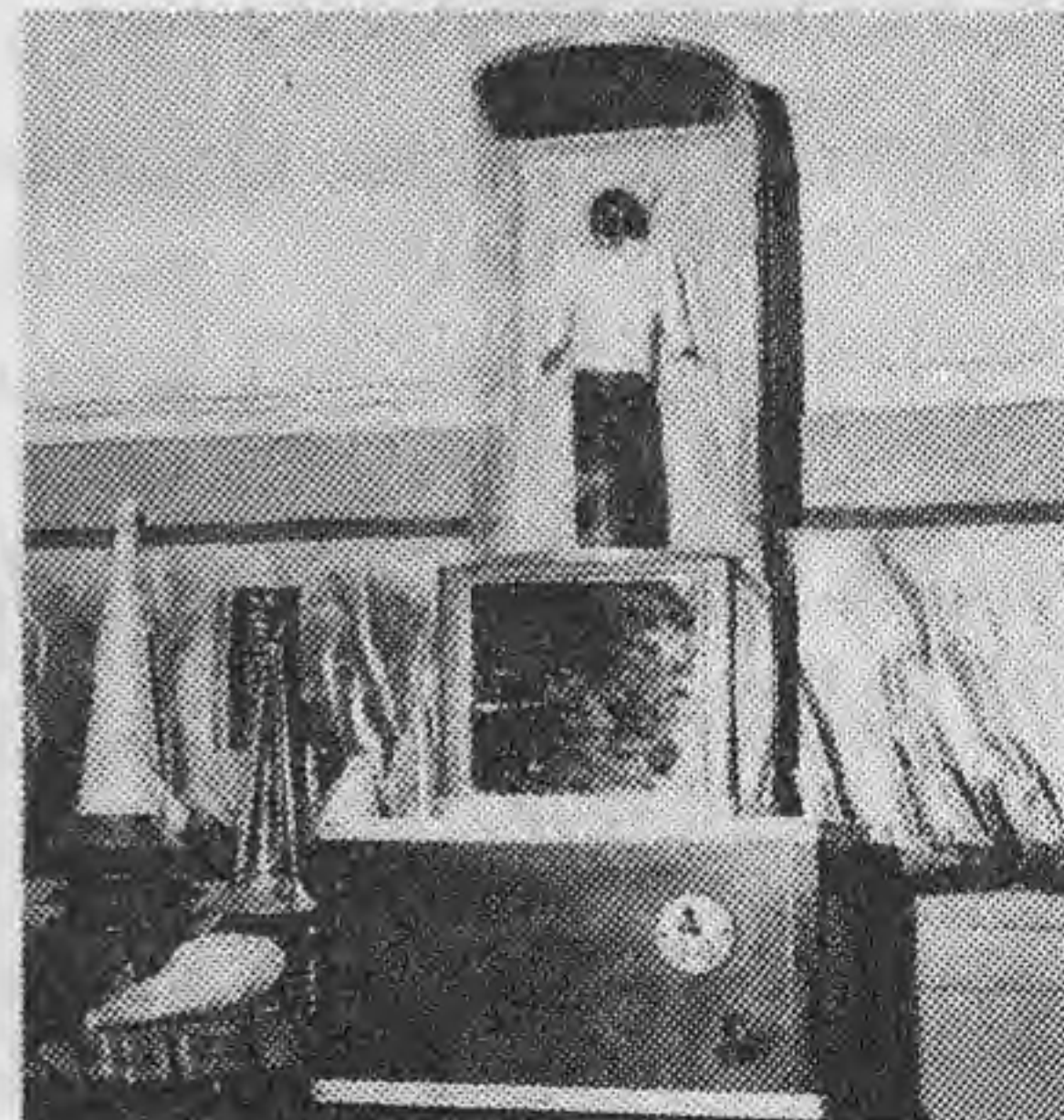
10. Regina 15 1/2" Music Box, #33675, rare inside crank model, double comb lacks 1 tooth, with 12 discs, ready to play in beautiful oak case, only \$1595.



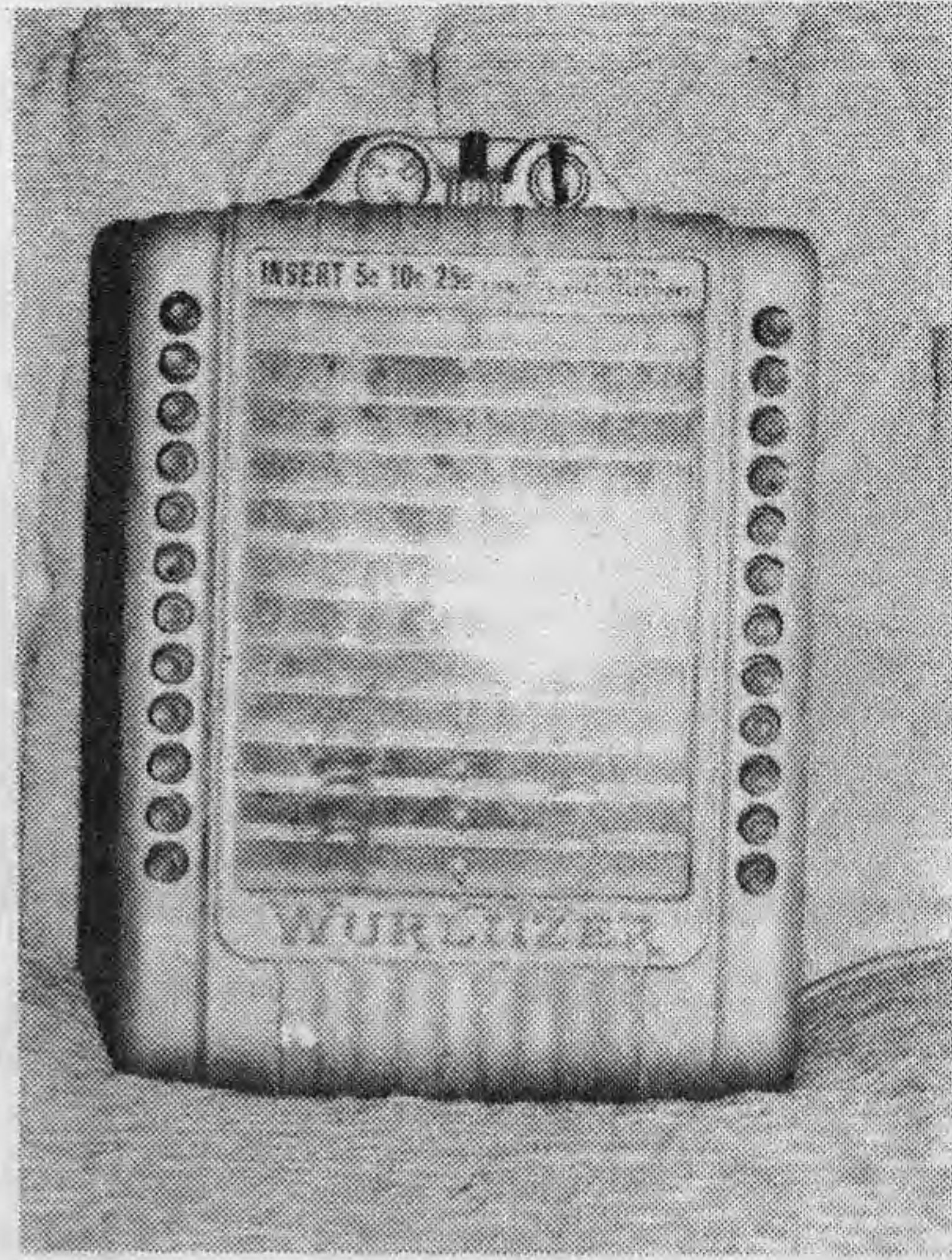
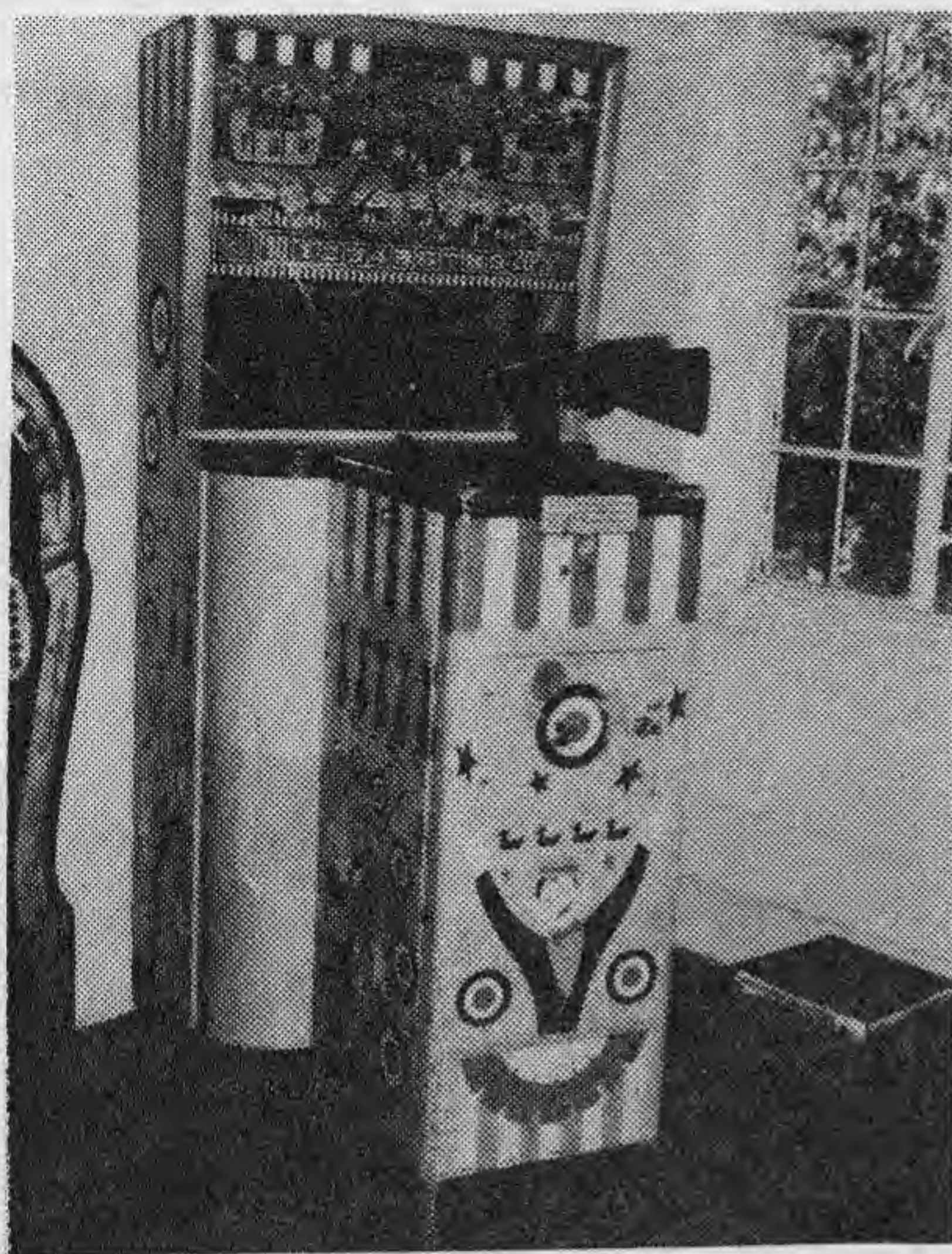
11. Johnny Cash Special (*One piece at a time!*). This customized sports car was constructed in the 1950's at a cost of over \$5000. It has a Henry J. chassis, a 1954 Corvette engine and drive train, Buick portholes, bucket seats, hand crafted red fiber glass body, 5000 miles, and a lot of tender loving care. Sacrificed from original owner, one of a kind, and very special, Only\$1795.



12. Western Electric (Seeburg) Electric Piano, Mascot Model C, some restoration begun, you can finish, for only \$1695.



13. Dancing Rastus Automaton, extremely rare, one of 4 known, made by N.C. Furniture Co. in 40's. Curtains light up and extensive mechanical action matches 45 rpm player (one of the first). Coin-operated and only \$695.



14. United's Carnival Gun, perfect for the game room, operates like new on a dime, colorful and lots of action, \$295.

15. Wurlitzer Wall Boxes for Juke Box Collectors, for Model 1015 or other 24 selector types. Nickeled, and limited quantity at only \$49.

PHONOGRAPHS

16. Bell Tainter Type N (Bijou) Graphophone, in N.Y. oak cabinet, with repro horn & reproducer, only \$449.

17. Columbia Q Graphophone, highest serial no. known, #1,001,602, mfd, without case decal, beautiful black & gold base in mint cond., orig. key, reproducer, etc. Only, \$199.

18. Q Graphophone, orig. reproducer & key, early steel base, #639,286. Mint case and only \$210.

19. Columbia Eagle (B) Graphophone, very clean, repro reproducer, only \$179.

20. BX Eagle, rough case, but complete mechanism, only \$169.

21. Edison Standard, Model A, with C reproducer, fine condition, only \$179.

22. Edison Standard, Model B, with C reproducer, fine condition, only \$179.

23. Edison Home Phonograph, half-bedplate model, with C reproducer, only \$189.

24. Edison Home Phonograph, long bedplate model, with C reproducer, \$189.

25. In response to several inquiries, we have 2 antique typewriters: 1) Oliver #9 [1916] perfect for your roll-top, only \$39. and 2) Remington # 7, only \$39.

PARTS AND SUPPLIES

26. Columbia BC 20th Century motor only, ready to use, only \$99.

27. Victor Ink Blotting Stone in original metal holder with dealer's name and Nipper design, very special at \$15.95

28. Victor Exhibition Reproducers, in good condition, while they last, only \$29.

29. Jukebox sapphire needles, never used very versatile, only \$1.95 ea.

30. Large selection of phonograph horns made of brass, tin, etc. Send your wants!. Originals and reproductions.

We have received several more Berliner Trademark Reproduction Gramophones. At EMA, they are only \$395. You save when you shop at EMA!

Currently Available from APM

APM ANTIQUE PHONOGRAPH PUBLICATIONS

Edison Cylinder Records, 1889-1912, 200 pp.	\$14.95
The Phonograph and How to Use It, 182 pp.	\$12.95
1899 Talking Machine Co. of Chicago Catalog, 64 pp.	3.25
1878 Phonograph Invention Posters (Set of 5)	5.00
1906 Columbia Graphophone Catalog, 32 pp.	3.25
1908 Babson Bros./Edison Catalog, 16 pp.	3.50
1896 Berliner Hand-wind Instructions, 8 pp.	1.50
1900 Eldridge Johnson Consolidated Catalog, 40 pp.	3.50
1902 Berliner Gramophone Catalog, 32 pp.	3.25
1909 Victor Talking Machine Catalog, 32 pp.	3.95
1901 Iver Johnson Talking Machine Supplies, 80 pp.	4.50
1898 Edison, Columbia, Pathe, Bettini Catalog, 64 pp.	4.95
1905 Edison Standard Operating Instructions, 8 pp.	1.75
1901 Victor Talking Machine Catalog, 20 pp.	3.50
1897 Columbia Graphophone Catalog, 16 pp.	3.25
1899 Edison Phonograph Catalog, 24 pp.	3.95
1902 Bettini/Edison/Columbia Phonographs, 40 pp.	4.95
1878 Edison Tinfoil Phonograph Instructions, 8 pp.	2.00
1906 Edison Coin-operated Phonograph Cat., 20 pp.	3.95
1910 Victor Repair and Parts Manual, 64 pp.	4.95
1893 North American Edison Phonograph Cat. 24 pp.	4.95
1898 Roller Cob & Organ Catalog, 12 pp.	2.00
1973 Back Issues of APM, Complete, 84 pp.	7.00
1974 Back Issues of APM, Complete, 96 pp.	7.00
1975 Back Issues of APM, Complete, 136 pp.	7.00
Collector's Guide to Columbia Graphophones, 40 pp.	6.50
From Tinfoil to Stereo, (Read & Welch), 600+ pp.	19.95
1974 Phonograph/Record Collectors Directory, 24 pp.	3.50

If your order is over \$50.00, please deduct 10%

Allen Koenigsberg, 650 Ocean Ave., Brooklyn, N.Y. 11226

NOTICE

Our everlasting thanks to Tim Brooks, Shawn Cherry, Bill Endlein, and Bob Feinstein for coming to the aid of APM and helping us move. If they ever re-make "Moving Day at Punkin Center", each of these fine people will deserve a stanza of their own. Thanks also to my parents for their herculean labors, and for refraining from saying "Why don't you throw this stuff out!" **APM**

Say you saw it in APM!

NOTICE

The Southwest Vintage Radio & Phonograph Society will sponsor its first Convention on November 5th, 6th, and 7th, 1976 at the Ramada Inn - Dallas East in Dallas, Texas. Show programs emphasize the collecting and restoration of antique radios, but also included will be inside and outside horn phonographs. A banquet, swap session, and auction will also be held. For more information and/or pre-registration packet, please write to Convention SVRPS, P. O. Box 19406, Dallas, Tex. 75219. *Best wishes from APM*

NOTICE

APM is back! We thank our readers for their patience and hope to get back on schedule soon. Please come and visit us in our new and larger quarters when you are in town! **APM**

The Edison National Historic Site is sponsoring another of its popular programs on October 15, 1976, at 8 pm. Held at the site of the original Edison plant at the corner of Main Street and Lakeside Avenue in West Orange, N.J., it is entitled "Americana in Edison Recordings." Speakers include Ada Jones authority Milford Fargo, and Diamond Disc expert Ray Wile. A number of original Edison recording stars will be in attendance. This will be a very special occasion for all collectors, and refreshments will be served.

RESEARCH IN PROGRESS

Need information, catalogs, etc. on Bush and Lane Phonograph Co. of Chicago. Also material on Climax inside-horn phonograph (date maker, etc.). Thanks. David Grahek, 486 W. Chestnut, Breckenridge, Mich. 48615.

PHONOGRAPHS FOR SALE

Little Wonder (?) Gramophone with 75 records 5 3/8" diameter. Excellent restorable cond. and working. What offers? Terry Smythe, 71 De Bourmont Bay, Winnipeg, Manitoba, Canada R2J 1K2. Or (204) 256-2134. (6-76)
Collector will buy, trade, or sell phonos. Sell or trade Victor Orthophonic VE 10-50-x, excellent walnut case, 4' x 4' x 2', only \$1250. Jay B. Impson, 10556 Greenwood Drive, San Diego, Cal. 92126. Or (714) 566-2237.

PHONOGRAPHS FOR SALE

Entire collection of 60 antique phonographs & Victrolas. All in working condition. Also many beautiful, old radios. Dor detailed 14-page list, send only 75¢ and long SASE. For sale either as a collection or individually. T. Grooms, 401 5th St. N.E., Washington, D.C. 20002. Or (202) 546-7251. (6-76)

Correction from last issue! Edison Home Phonograph, banner type, 2 & 4 minute machine with Model O reproducer, excellent condition, only \$350. complete. George Benoit, 272 E. Goodman Road, Olive Branch, Miss. 38654. (6-76)

For sale or trade: Pathe cylinder phonographs (all will play regular and 3" cylinders and come with two 3" cylinder records): Pathe O, \$300; Pathe 1, \$400; Pathe 2, \$400. Klingsor stringed-horn disc phono, \$700. Y. Rouchaleau, 326 SW 27th St., Gainesville, Fla. 32607. (6-76)

Edison Triumph, Columbia open works cylinder phonograph with lyre harp base, string drive, Victor VV-VI table model. Edison Standard. Imperial Symphonion 15" disk music box. Arnold Levin, 2835 W. North Shore, Chicago, Ill. 60645. Or (312) 262-5965. (6-76)

Sell/swap Victor Schoolhouse, less elbow, \$750. Piano 78 needs refinishing, \$600. Orthophonic Credenzas, crank and electric, \$300. each. VV-VI, \$85. United inside horn, 15 discs, \$150. Rolmonica with roll, only \$75. Spring motor for Orthophonic, \$40. Swaps wanted: 2/4 minute Gem, Victor, Columbia horn 78's, mini, toy, camera types. Shipping extra. Armstrong, 5881 NW 14 Ct., Sunrise, Fla. 33313. Or (305) 581-6556 evenings.

PHONOGRAPHS FOR SALE

Collection of beautiful cylinder and disc type phonographs. Victor, Edison, Columbia, etc. Nice horns too. Individually or as a collection. Write or call George Limnios, 487 10th St., Brooklyn, N.Y. 11215. Or (212) 499-6522.

Have quantity of Victor, Columbia, Cheney, Arionola, Sonora, Edison, and others in both table and upright inside horn models. All are in good working order with good reproducers. Prices from \$65 up. Also have restored early 1930's cathedral and console radios for sale, some battery radios. Please write or call. Philip Guinan, RFD 1, Page Road, Hudson, N.H. 03051. Or (603)883-8586. (7-76)

Edison Home phonograph, 2-4 min. gearing, with clutch, and H reproducer, 2 horns, (large & small), with 13 cylinders. Call (212) 362-7044 or 688-0930. Only \$250. for everything. Ask for Christian Blackwood. (6-76)

Edison-Bell Concert, large and small cylinders. Beautiful condition, \$1500. Call Dr. DeAndrea at (203) 288-1895.

PHONOGRAPHS WANTED

Victors I thru VI, Edison Maroon Gem, Concert & Opera phonographs. Also extra and flower horns and stands or cranes. Francis Merancy, c/o Vernon Work Apparel, Rt. 30, Vernon, Ct. 06066.

Interested in domestic cylinder horn machines, records, and accesories, primarily Edison. Also other Edison artifacts. Lawrence Lamb, 52 Strathcona Cr., Kitchener, Ont., Canada N2B 2W9.

Want Orthophonic turnover changer model. Art Faner, 555 Winter St. N.E., Salem, Ore. 97301. Or (503) 363-8193

PHONOGRAPHS WANTED

APM requires certain machines for its display collection and research. Please see *Items For Trade*. Thank you.

Will purchase cylinder record collection, individual phonographs, or entire collection. Particularly interested in Opera, Idelia, Coin-slot, and other rare machines. Will pay well. Send particulars. Roger Faut, RD #3, Denver, Pa. 17517, or (215) 267-2064. (6-76)

Edison Doll; Berliner; Zonophone; 5"; Water Power; coin-operated; Class M; Treadle; 5" GG top; Triton and Class M motors, etc. Phonographs and parts. All advertising items (signs, needle boxes, pictures, catalogs, etc.). Jerry Madsen, 8115 Emerson Avenue S., Minneapolis, Minn. 55420. (6-76)

Pre-1896 Edisons, Graphophones, other infrequently found ones, any condition. Leon Brassard, 2272 Aladin, Laval, Quebec, Canada (7-76)

Outside horn Victors, rear-mount or front-mount. Describe and price. Bill Sorice, 16 Hilltop Drive, Manhasset, N.Y. 11030. (7-76)

Maroon Gem, Opera, Concert phonographs; cygnet horns, Edison shaver, and all open horn phonos, regardless of condition. Also any cylinder reproducers. Stanley H. Ruth, 2842 Charlotte Ave., Easton, Pa. 18042. (9-76)

I collect front-mount disc phonos and have these machines to trade or apply to purchase. Edison Home, Standard, Amberola #30, Columbia Q, Standard Talking Machine Model A, and an English Apollo outside horn disc model. Thank you. Stephen Markowitz, 1925 Greenleaf St., Allentown, Pa. 18104. (6-76)

HELP: I NEED PARTS!

Long-throat Concert reproducers for Zonophone or Universal Talking Machine Co. Edison shaving attachment, type without plunger. Two-reproducer attachment for Edison Standard or Home. Spun aluminum horn with original pivot for Lyre-base cylinder phono. Fancy metal base for Columbia Q or Eagle. Will buy or trade. Thanks. Allen Koenigsberg, 650 Ocean Avenue, Brooklyn, N.Y. 11226. Or (212) 941-6835

Mahogany Music Master wood horn for Edison Opera, bell section and goose-neck too. Also need works for Edison doll and record if possible. **Old Sound**, 306 Main St., Rt. 28, Harwichport, Mass. 02646. Or (617) 432-9012. (6-76)

Horn wanted for Royal (rear-mount) disc machine; or any Columbia screw-in horn, nickel or painted, in good condition. Bill Weis, Rt. 1, Box 718, Glencoe, Mo. 63038.

Wanted for Edison Diamond Disc Model BC-34: front grille 16" by 16" in mahogany. Also wood around bed table for same. John Hutchins, 9417 N. Rich Road, Alma, Mich. 48801.

Need Edison mahogany horn for Opera phono. Also Talkophone motor. Will buy or make interesting trade. Steve Hobbs, 1116 W. Morgan, Kokomo, Ind. 46901. (6-76)

Need arm and reproducer for Standard Model X front-mount disc machine. F. Blondale, 36765 W. 6 Mile Rd., Livonia, Mich. 48152. (6-76)

Original horn and turntable screw-down washer for Berliner Trademark Gramophone. David Chickillo, 125 Peller Avenue, Scranton, Pa. 18505. Or (717) 342-6634.

Say you saw it in APM!

HELP: I NEED PARTS!

Reproducers for Columbia AH, Zonophone Concert, Berliner Trademark. 7" turntable, horn and metal tone-arm support for Columbia AK. 1 3/8" slip-in horn elbow for Victor II. Connector from reproducer to horn bracket for Amberola VIII and Edison Bijou. W. Hoffman, 2570 Falcon St., E. Meadow, N.Y. 11554. (7-76)

Need for Victor V: tone-arm, cast-iron arm support bracket, and cast-iron turntable. For Columbia AJ front-mount: arm and bracket, 10" turntable. Have C reproducer and #10 cygnet horn to trade. Bill Hale, 1813 Madewood Rd., La Place, La. 70068. Or (504) 652-5656. (6-76)

Reproducer assembly or any individual parts for U.S. Banner cylinder phono. Also the horn and reproducer elbows. Trade or buy. Allen Koenigsberg, 650 Ocean Ave. Brooklyn, N.Y. 11226.

Columbia BE Graphophone carriage with mandrel and reproducer. What have you? Edison C Reproducer. Arnold Levin, 2835 W. North Shore, Chicago, Ill. 60645. Or (312) 2625965. (6-76)

Wanted to buy or have 5" Concert cylinders to trade for the following: Columbia tone-arm & bracket for AU open-works disc phono. Edison Opera coupling cover and auto-stop rod. Opera and Triumph cygnet horn section. Victor Schoolhouse horn elbow. Aretino records with 3" center hole. Pathe "Perfecta" horn, attachment, support, reproducer and 3" mandrel. Columbia oak BN case. Columbia BF Peerless top lid. Horizontal carriage for Edison Fireside, Standard, or Home. Victor II and III horn elbows. H. C. Braker, 528 Borebank St., Winnipeg, Manitoba, Canada R3N1E9.

HELP: I NEED PARTS!

Diamond A Reproducer for Edison Opera or Amberola 1B. Buy or trade. Howard Hazelnorn, 595 Grenville, Teaneck, N.J. 07666.

RECORDS FOR SALE

Starting new department to specialize in all phases of mechanical phonographs, particularly recordings, especially 78's. Send catalogs and want lists. Pocono Antique Center, 164 N. Washington St., Wilkes-Barre, Pa. 18702.

12,000 78 rpm records, never played. Stored over 20 years, 30's thru 50's. Send \$1.00 for first listing. Donald E. Webber, 405 Wilhelmina, Bossier City, La. 71010.

Send stamp for free record list of Red Seals, one-sided, etc. F. Blondale, 36765 W. 6 Mile Rd., Livonia, Mich. 48152.

Olde Tyme Music Scene latest arrivals! 400 Diamond Discs, 82,000 classical and 50,000 series dance bands. Also Seeburg 1000 Encore table model background music juke-box, plays 16 2/3 rpm records. Interesting series of Decca Custom discs. 200 plus Zonophone, Columbia, Victor early test-pressings, and 5, 7, 8, 10, 12" pre-1904 items. Be sure to see our display ad in this issue! **Olde Tyme Music**

Old 78's, you name it, we probably have it. Send your want lists. Charlotte Record Gallery, 2290 Harborview, Tampa, Fla. 33611. (6-76)

Rare original Blue Amberol entitled *1877-1927 Fiftieth Anniversary (of the Phonograph)*. See *Items For Trade*.

RECORDS WANTED

Want Edison Blue Amberol #4767 *Old King Tut* by Jones and Hare. William Dowd, Route 2, Box 73C, Bastrop, La. 71220. (6-76)

RECORDS WANTED

Pre-1900 (brown wax) cylinders and discs (Berliner). Particularly want early 1890's local phonograph company cylinders, North American and Bell Tainter. Will trade or buy. B.L. Stinchcomb, 22 Patricia, Ferguson, Mo. 63135. Or (314) 521-2976.

(6-76)

Want *Baby Your Mother Like She Babied You*, Blue Amberol #5502. Will pay \$10. for mint copy. Please help. Also looking for *Black Bottom* #5226; *Barney Google* #4757, *I'm Just Wild About Harry*, #4604, and cylinders by Humphrey, Al Bernard, Louisiana Five, and Dalhart. Please let me know, will buy or possibly trade? Russ Brunning, 4541 W. Altadena Ave., Glendale, Ariz. 85304. (TF)

Say you saw it in APM

RECORDS WANTED

Spoken word recordings on original disc or dubbings, tape, or LP. Also any documentary/speech recordings similar to Edward R. Murrow *Hear It Now* Series. Also spoken word prior 1935. P. Sieff, 90 The Ridge, Clifton, Cape, South Africa.

Want to buy cylinder records in quantity at fair market prices. Sell me your doubles in good condition. Robert T. Hill, 18801 Covington Rd., Minnetonka, Minn. 55343.

Want operatic and classical cylinders and pre-electric discs. Also cylinder and disc catalogs prior 1925. Ian Keith Ritchie, 1928 Aldrich S. #28, Minneapolis, Minn. 55403.

Want cylinder or disc recording of *Ticklish Reuben* (e.g. Columbia 531764). Larry V. Fleagle 25 NE 185th Terrace, N. Miami Beach, Fla. 33179.

RECORDS WANTED

Edison 2-minute cylinder records in good condition. Send titles and prices. L. Lawrence Green, 779 Prospect Ave., W. Hartford, Ct. 06105.

Want cylinder records for Edison 2 or 4 minute. Prefer very scarce ones. Carlton Diefenthaler, 110 Maple, Stockbridge, Mich. 49285.

1200 series Blue Amberols. Thanks. Allen Koenigsberg, 650 Ocean Avenue, Brooklyn, N.Y. 11226.

PRINTED ITEMS FOR SALE

EDISON, VICTOR, COLUMBIA and other companies record/phonograph catalogs, supplements, advertisements & miscellaneous; 350+ items 1896-1952. Send SASE to D. Lehman, 12322-28th St. NE., Seattle, Wash. 98125. (6-76)

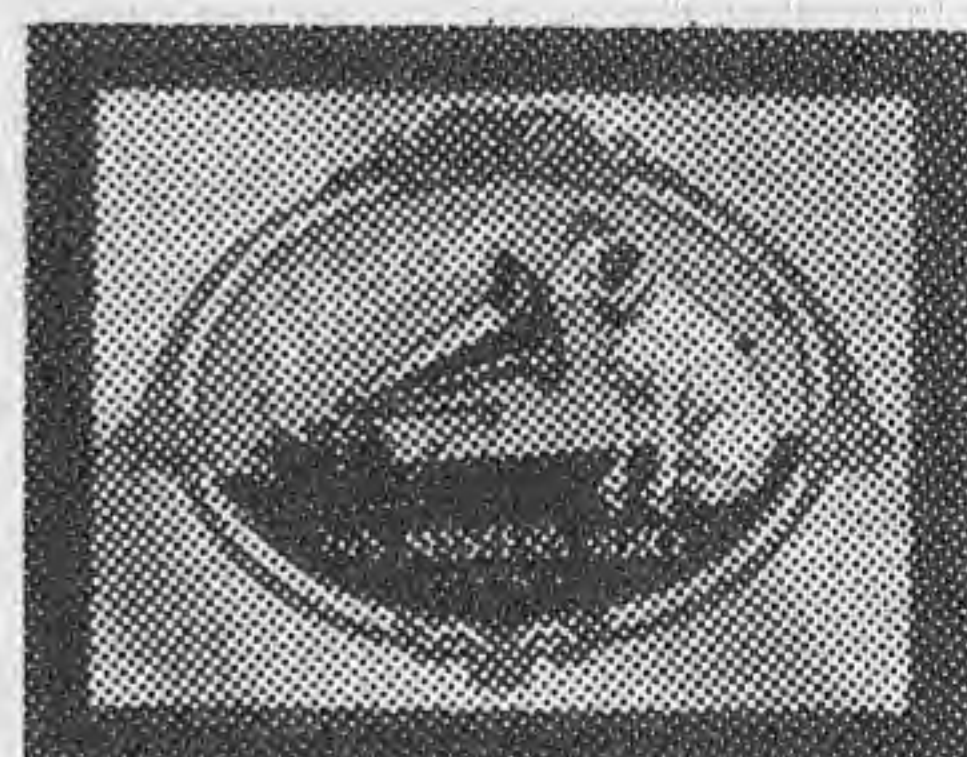
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Mail checks to: CRACKERJACK STUDIO
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"Graphophones, Anyone?"

We are proud to announce the completion of the most comprehensive book ever published on Columbia Graphophones. This beautifully printed, 40-page limited edition covers *all* 44 spring wound cylinder models manufactured from 1894 to 1910. It is profusely illustrated, with *complete* reproducer matching chart, covering all 14 styles of reproducers, and is sturdily bound in washable covers. A rarity scale comparing all the Graphophones is also included, *with* full serial number ranges. Howard Hazelcorn, the author, and **APM**, the publisher, have spared no pains to make this book indispensable to every collector. Even if you don't collect Columbia machines yourself, you'll make better trades with those who do! Please order while supplies are available. Your copy will be hand-numbered, as only 1000 have been printed. Sent via *Book Rate*, cost is only \$6.50, and via *Airmail*, only \$6.95, ppd. *Order from: Allen Koenigsberg, 650 Ocean Avenue, Brooklyn, N.Y. 11226*

Important Announcement!

The Edison Phonograph Monthly, Vol. 2, is now being prepared! **EPM** will be 190 pages, hard-bound in beautiful matching red and gold hard covers, and will retail for \$12.95 with the same format as Volume 1. The same design will be maintained through the complete 14 volumes being limited on a reserved basis, and hand-numbered. Now until Nov. 1, 1976, **EPM** No.2, will be offered for \$11.95, first to all charter Volume holders who want to retain their original numbering from Volume 1. First come get the lowest numbers. Send \$11.95

now to reserve your numbered and signed **EPM**, No. 2. Vol. 2 may be ordered from Wendell Moore, #33 Arctic Springs, Jeffersonville, Ind. 47130. If you still wish to reserve your edition of Volume 1, the first year of this dealer's magazine, you may now obtain them from your exclusive east coast dealer, **APM**. Same day service. After Volume 2 appears, you may also order it, at the regular \$12.95 price, from **APM**. The entire edition is limited to 1000 copies, no more will be printed. Don't miss this important opportunity!

Save this Ad!

For Sale and Wanted

Early phonographs, Musical boxes, Grind Organs, Mechanical Toys, Optical Toys, Animated Clocks and Watches, Singing Bird Boxes, and items related to above.

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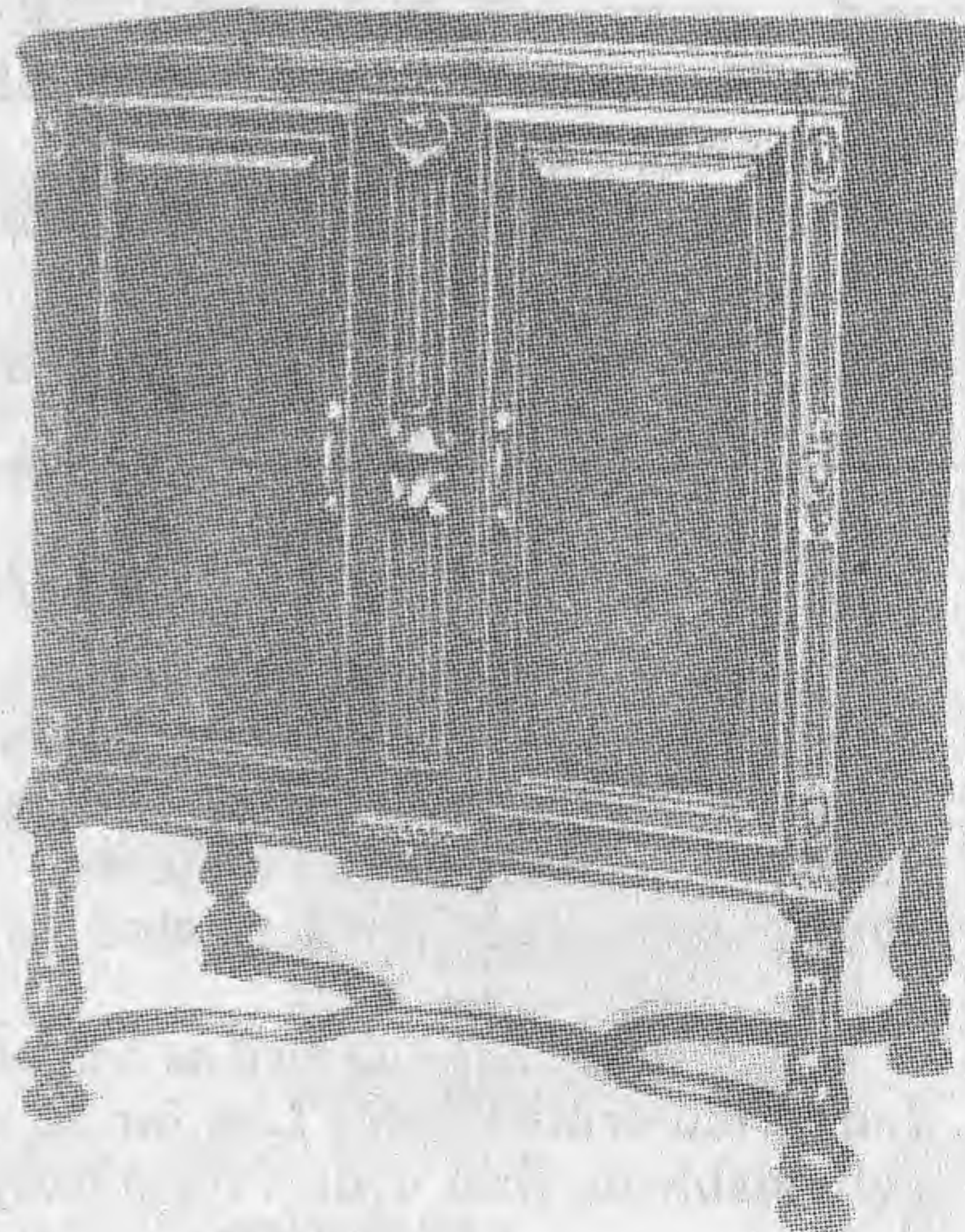
It's still **EVERYTHING FROM EDISON TO ELVIS**. And were still answering all the letters, with an increased staff. We've had visitors from the U.S., Canada, and Europe, so plan your weekend trip or summer vacation to put us on *your* itinerary. We are still the complete **VINTAGE MUSICAL STORE**.



Easy to Reach: Interstate #80 to NJ 287 North & exit Main Street, Boonton, USA!
Hours: Wed., Thurs., Sat., 10-5; Fri., 12-4; Sun., 12-3; Mon., & Tues., by appointment

Electrola and Orthophonic Victrola Radiola Combinations

A dandy, slick-paper reprint of the 1929 catalog of the last of the great acoustic machines. Features 7 models of Orthophonic Victrolas, 6 Electrola Radiolas, 6 Orthophonic Victrola Radiolas, 2 Electrolas, and 5 Victrolas. 24 pages in all, 6½" x 9½" size. This is great for identifying the various models in this confusing series! Just \$2.75 ppd. (NY residents add 7% sales tax). Guaranteed to please, or money instantly refunded. Mastercharge & BankAmericard ok; just send numbers and exp. date.



The Vestal Press, PO Box 97, Vestal 48 NY, 13850

PRINTED ITEMS FOR SALE

Booklets (reproduction) see May 1976 **APM** for list. Nipper (3½" plaster, just like original, \$3.25; Victor Opera books (original) \$8.00. Jerry Madsen, 8115 Emerson Ave. S., Minneapolis, Minn. 55420. (6-76)

To add to the enjoyment of our hobby, why not try a subscription to **The City of London Phonograph and Gramophone Society**? We despatch our magazine, *The Hillandale News*, by airmail for \$8.00 per year, or \$6.00 via seaimail. Subscriptions should be sent to B.A. Williamson, 157 Childwall Valley Road, Liverpool, England LI6 1LA. Payment should be made to **C.L.P.G.S.**

Catalog of books, reprints, records on phonographs, player pianos, music boxes, etc. 48 pages of goodies! \$1.00, refundable first order. **The Vestal Press**, P.O. Box 97, Vestal 48, N.Y. 13850. (8-76)

ORIGINAL EDISON PHONOGRAPH DOCUMENTS FOR SALE (1878-1930), including record and phonograph catalogs, supplements, brochures, instruction manuals, Edisoniana, etc. Materials from the tinfoil, North American. National Phonograph, and TAE, Inc. periods. Send SASE to Dr. Philip Petersen, P.O. Box 3336, San Mateo, Cal. 94403. (6-76)

PRINTED ITEMS FOR SALE

Talking Machine Review International: A bi-monthly magazine for all interested in cylinder or disc phonographs; the artists on the cylinders and discs; repairs; and all the many facets of the history of recording. Annual subscription is \$5.50 or \$10. by airmail. Write for free sample copy if genuinely interested. We have an expanding list of reprints of old catalogs, posters, and books. **Talking Machine Review**, 19 Glendale Rd., Bournemouth, England BH6 4JA.

The famous *From Tinfoil to Stereo* book now available. Hardcover edition, over 600 pages, only \$19.95 ppd. from **APM** while supplies last.

Original signed Thomas A. Edison checks, few left, only \$15 ea. or \$25 for two. Original signed Thomas Edison engraved stock certificates, rare, only \$50 ea. Limited supply. Howard Hazelcorn, 595 Grenville, Teaneck, N.J. 07666. (6-76)

Rare find — large original 1902 Graphophone exhibition posters showing Type AA Graphophone. Professionally mounted for display. Very limited supply, while they last, \$75. plus shipping. Loyd Davis, 4118 W. 73rd Terrace, Prairie Village, Kan. 66208. (6-76)

PRINTED ITEMS WANTED

Want Victor Victrola Instruction book for VV-XVI (orig. or xerox). Samuel S. Zeman, 307 North Fayette St., Shippenburg, Pa. 17257. (6-76)

Want instruction manual for Model C-4 Edison Radio-phonograph. Henry Bremer, Jr., R-1, Box 96, Ellendale, Minn. 56026.

Want instruction manual for Victor XIV or XVI. Paul Estes, 55 Estates Drive, San Anselmo, Cal. 94960. (6-76)

Any printed material pertaining to the Orthophonic Victrola. Also wanted Victor needles, steel, and Tungstone. Jim Buchanan, 1046 Wagner Ave., Philadelphia, Pa. 19141.

Say you saw it in APM

ITEMS FOR TRADE

Greetings from the Bunch at Orange (Diamond Disc). I want coin mechanisms (parts) Jerry Madsen, 8115 Emerson Ave. S., Minneapolis, Minn. 55420. (6-76)

Have following items for trade, or will give away for successful leads on items I need. I have #10 Edison cygnet, original Edison Concert motor (Triton) with baseplate, Victor D phono in ornate case, rare Blue Amberol entitled 1877-1927 *Fifti-*
(Cont'd on next page)

New Reproduction Berliner Trademark Phonograph, cannot be told from original. Complete with all-brass horn. \$425, allow 3 weeks for delivery. Shipping extra. Reproduction parts also. Edison Replica of 1879 Light Bulb, operates, only \$8.50, plus \$1 post & insur. Edison-Victor Phonographs sold and repaired. Free parts list for a SASE.



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ITEMS FOR TRADE

(Cont'd from preceding page)
eth Anniversary (of the Phonograph), 5" Black Lambert, orig. cygnet crane, orig. Columbia Type AU Graphophone, Roosevelt cylinders, *Let Us Not Forget* by Edison, 100-peg orig. oak cylinder cabinet, O reproducer, 5000 series Blue Amberols, etc. I need ratchet wind Berliner in metal case, single spring Amet phono, Wizard phono, coin-operated Universal Talking Machine in oak case, coin-operated Amet, glass-sided Zonophone (Universal), Type GG Columbia, finger-wind Columbia disc phono, etc. Why not write or call for a good deal? Allen Koenigsberg, 650 Ocean Ave. Brooklyn, N.Y. 11226. Or (212) 941-6835.

MISCELLANEOUS FOR SALE

Two Art Deco period floor model radios: 1938 Philco #38-F, excellent, (purchased from original owner), with owner's booklet. 1937 Stromberg-Carlson # 63 radio, also excellent. Only \$100 ea. or trade either for table model Victrola or Grafonola, or both for Victor III - IV or Graphophone. Peter Weinberger 102-20 67th Drive, Forest Hills, N.Y. 11375. Or (212) 459-1577. (6-76)

Replicas of dancing phono toys: Rastus complete, only \$38.50 plus \$1 shipping. Uncle Sam Kicking the Kaiser, only \$46.50 plus \$1 shipping. Parts for mechanisms too. Sturdy and attractive steel cylinder record wall racks, only \$12.50 ea. or \$60. for six. Allow \$1 ea for shipping. Send SASE for complete new parts list. **Zalewski Talking Machine Works**, 30 Lakeview Drive, Patchogue, N.Y. 11772. Or (516) 475-7340.

MISCELLANEOUS FOR SALE

Beautiful Columbia Graphophone Award Decals, gold, \$1.25 ea./\$5.00 for five. Bill Sorice, 16 Hilltop Drive, Manhasset, N.Y. 11030 (7-76)

Beautiful signboard inserts for Columbia coin-op phonos, ready to stencil titles, only \$3.95 pad of 20. Dick Wilson, 703 Pleasant Hills Rd., Kingsville, Md. 21087. (6-76)

MISCELLANEOUS WANTED

Need information on old typewriters? Send SASE to Don Sutherland, 28 Smith Terrace, Staten Island, N.Y. 10304. Will buy or trade for ones needed for research.

Old wooden or unusual cameras, daguerreotypes, photographic store signs, *Camera Work* Magazines, or anything photographic and old or unusual. Please describe and price. Mark Koenigsberg, 94 Beacon St., Somerville, Mass 02143. Or (617) 492-8698.

ANTIQUE SHOPS

The Antique Phonograph Shop, featuring all makes of phonographs, repairs, parts, cylinder and disc records, plus many other accessories. Located conveniently on Long Island in New York, just 1½ miles east of Cross Island Parkway, exit 27E, at 320 Jericho Turnpike, Floral Park 11001. Shop hours are: Thursday & Friday, 11 am — 4:30 pm & evenings 6-9 pm, and Saturday 10 am — 6 pm, and also by app't. Dennis Valente, **Antique Phonographs**, 320 Jericho Turnpike Floral Park, N.Y. 11001. Or (516) 775-8605. Give us a call!

Horn phonographs, records, etc. Always in stock. We buy, sell, trade and service. Stop and visit. **Talking Machines Antiques**, 321 Prospect (Rt. 20), Ashtabula, Ohio 44004. (8-76)

ANTIQUE SHOPS

When in New York, visit **BACK PAGES ANTIQUES** for quality brass and oak at reasonable prices. Located at 3011 Avenue J, Brooklyn, N.Y. 11210. Or call (212) 252-7874. Now buying old decorative Wurlitzer jukeboxes. Thanks.

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OLD SOUND! A Museum of antique phonographs and recording technology on Cape Cod. Beautiful displays, plus shop for machines, sheet music, records, services, etc. Also available for professional Lecturing Service and Entertainment. **Old Sound**, 306 Main St., Rt. 28, Harwichport, Mass. 02646. Or (617) 432-9012. (9-76)

Diamond stylus installed or replaced in any reproducer, \$12 ea. Quality reproducer repairs, gears cut. Will buy reproducers or parts. Send SASE for Service and Parts List. Gene Ballard, 1819 W. 148th St., Gardena, Cal. 90249. (9-76)

Phonograph boxes, bases, shelves, lids, handles, moldings, etc. Exact reproductions by skilled cabinet maker. Free list now ready, every item illustrated. Send long SASE. Bill Moore, 575 E. San Pedro #21, Morgan Hill, Calif. 95037. (3-77)

The Olde Tyme Music Scene would like to state that Boates Concentrate removes foxing from cylinders and is also a mild emetic when taken internally. Note; don't store in Scotch glass.

Any reproducer repaired. Wanted to buy reproducer parts. Have Model O Edison 2-4 reproducer for sale, \$150. Also fix Edison machines. Randle G. Pomeroy, 54 - 12th St., Providence, R.I. 02906. Or 1-401-272-5560.